

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\  
 Data File : VX006799.D  
 Acq On : 24 Dec 2018 17:04  
 Operator : JC/MD  
 Sample : J6548-19  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 G-A

Quant Time: Dec 25 03:52:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

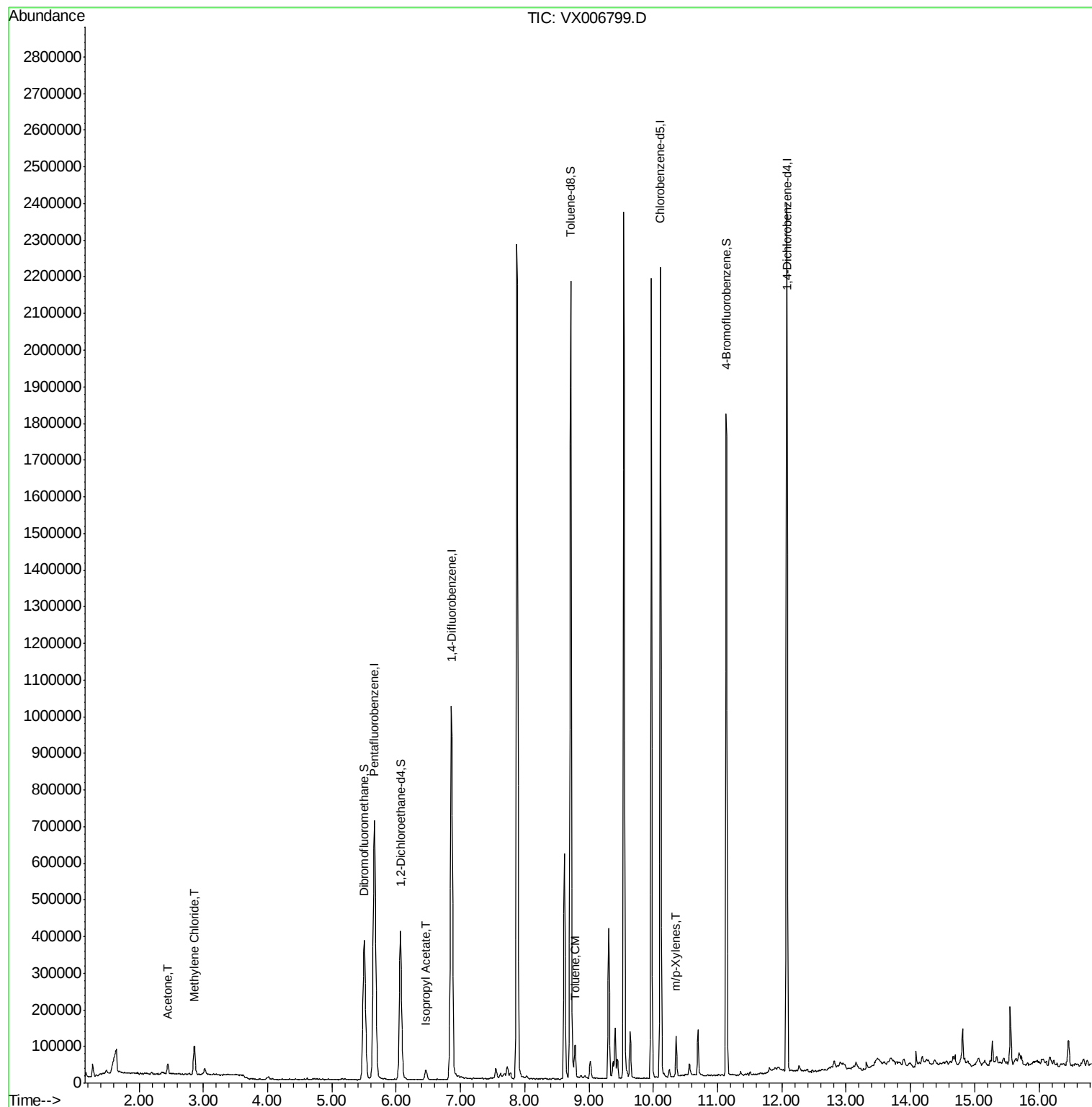
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 761054   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 1098556  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 1016719  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 508104   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 369866   | 45.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.18%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 318494   | 45.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.70%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1310387  | 50.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.06% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 475346   | 49.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.12%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 32044    | 8.503 | ug/l    | 96       |
| 20) Methylene Chloride      | 2.85  | 84   | 38812    | 4.981 | ug/l    | 91       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 33193    | 2.304 | ug/l    | 98       |
| 52) Toluene                 | 8.78  | 92   | 29967    | 1.677 | ug/l    | 90       |
| 68) m/p-Xylenes             | 10.35 | 106  | 26421    | 1.905 | ug/l    | 96       |

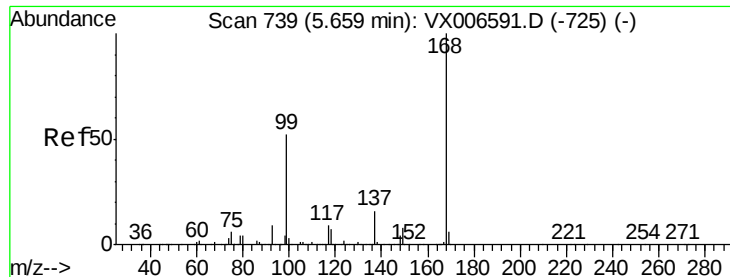
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122418\  
Data File : VX006799.D  
Acq On : 24 Dec 2018 17:04  
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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
G-A

Quant Time: Dec 25 03:52:43 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 19 15:20:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

Instrument :

MSVOA\_X

ClientSampled :

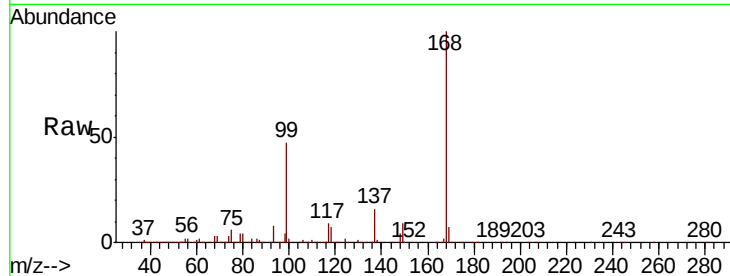
G-A

Tot Ion:168 Resp: 761054

Ion Ratio Lower Upper

168 100

99 46.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

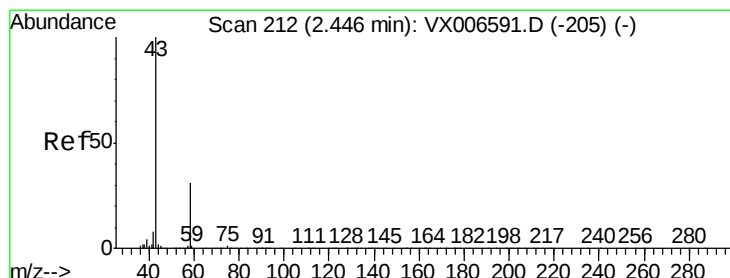
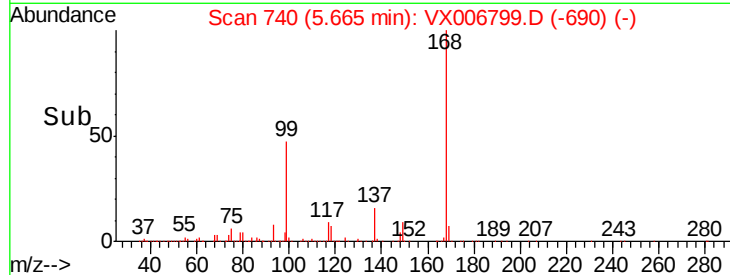
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.503 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006799.D

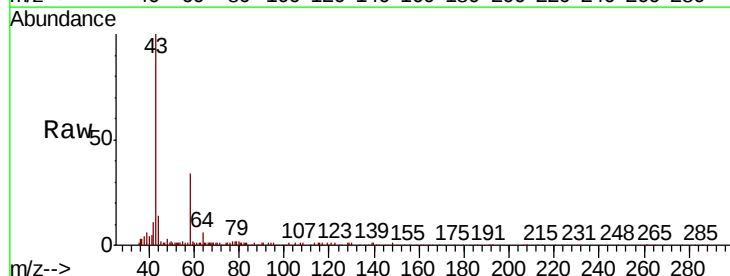
Acq: 24 Dec 2018 17:04

Tgt Ion: 43 Resp: 32044

Ion Ratio Lower Upper

43 100

58 33.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

20000

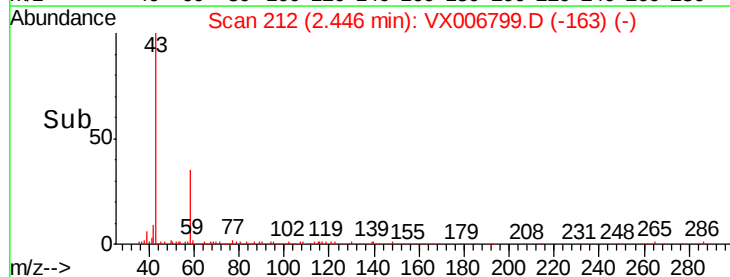
15000

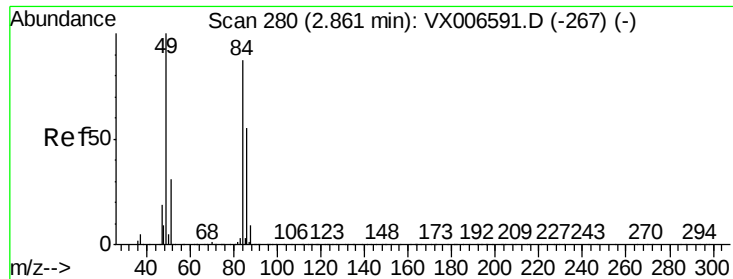
10000

5000

0

Time-->

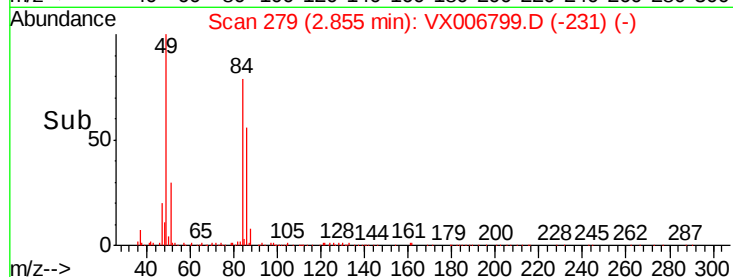
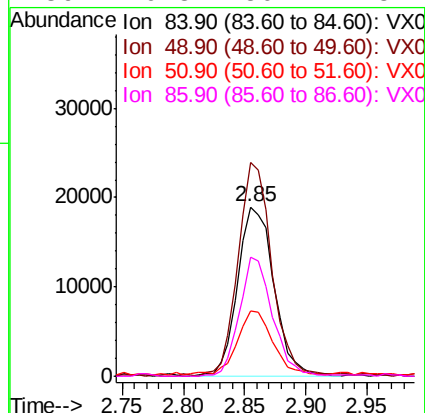
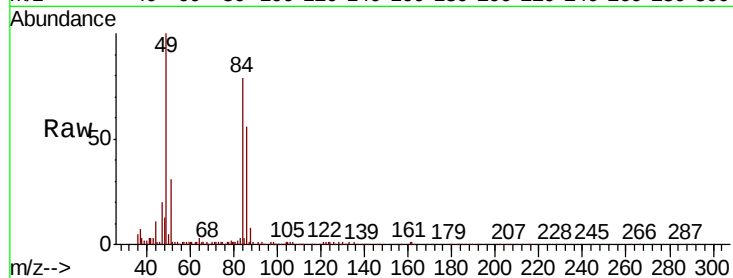




#20  
Methvlene Chloride  
Concen: 4.981 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX006799.D  
Acq: 24 Dec 2018 17:04

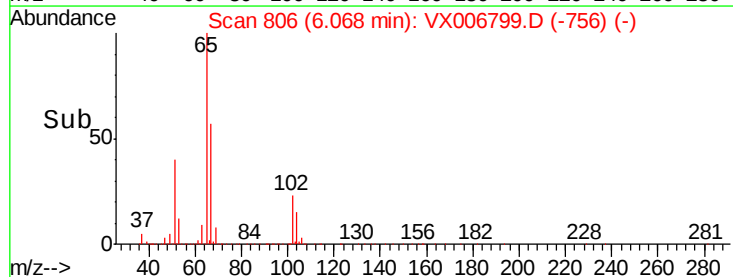
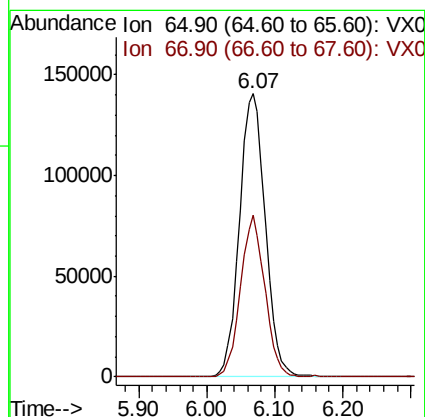
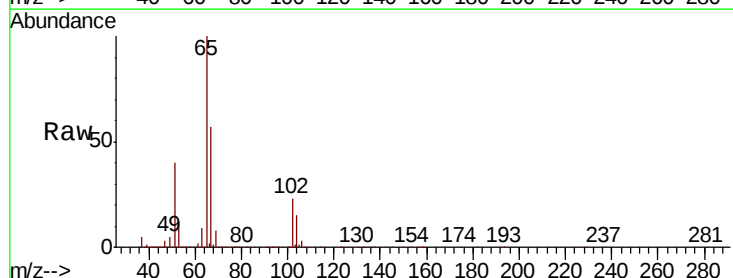
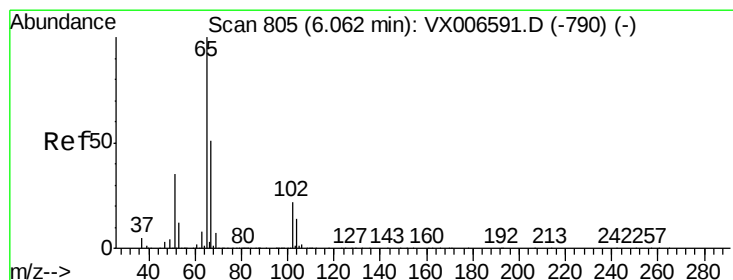
Instrument :  
MSVOA\_X  
ClientSampleId :  
G-A

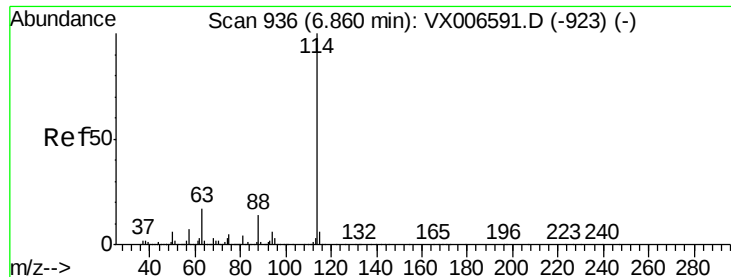
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 38812 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.5 | 91.8  | 137.6 |
| 51       | 37.0  | 28.5  | 42.7  |
| 86       | 70.8  | 50.2  | 75.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 45.093 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: VX006799.D  
Acq: 24 Dec 2018 17:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 369866 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.9  | 0.0   | 105.0  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

Instrument :

MSVOA\_X

ClientSampleId :

G-A

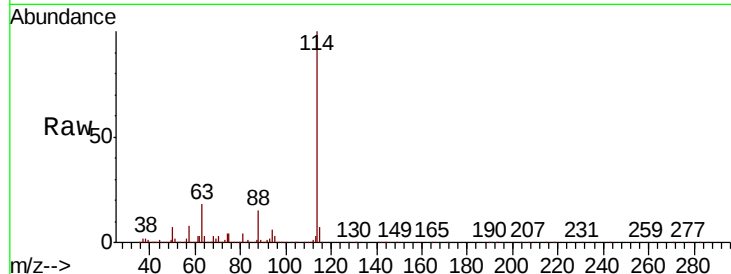
Tot Ion:114 Resp: 1098556

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

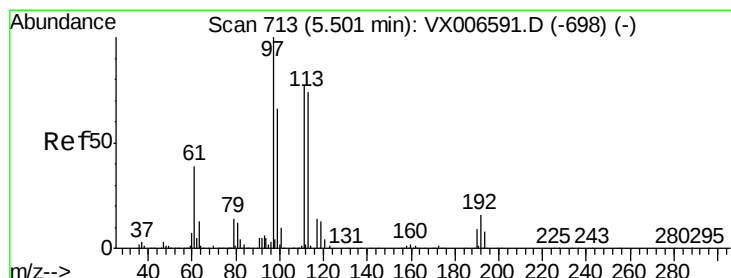
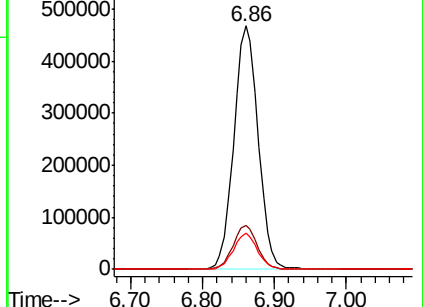
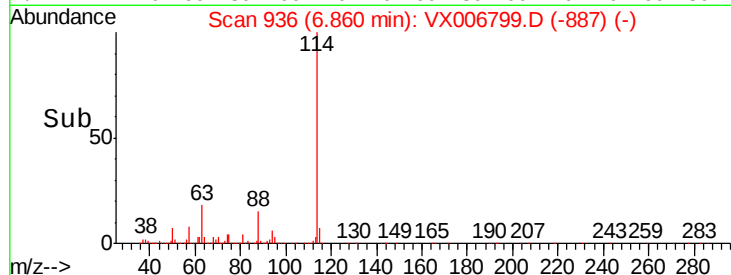
88 14.8 0.0 28.8



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: 45.846 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

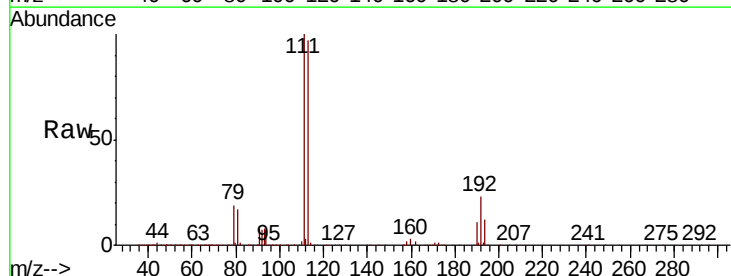
Tgt Ion:113 Resp: 318494

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

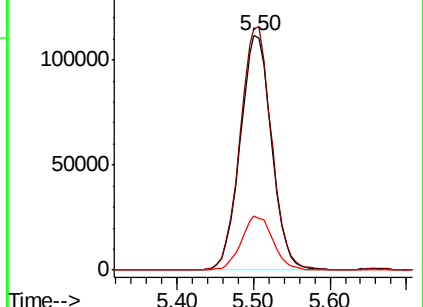
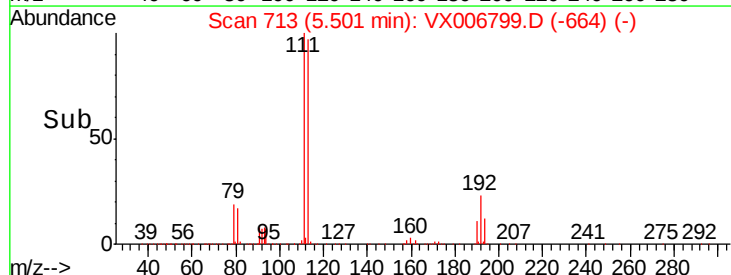
192 23.2 16.7 25.1

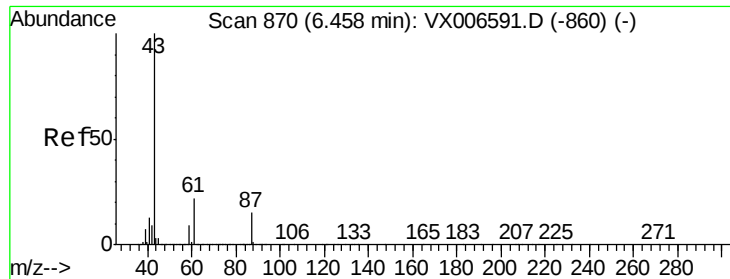


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



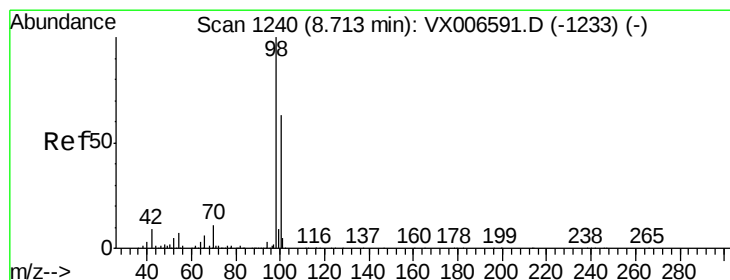
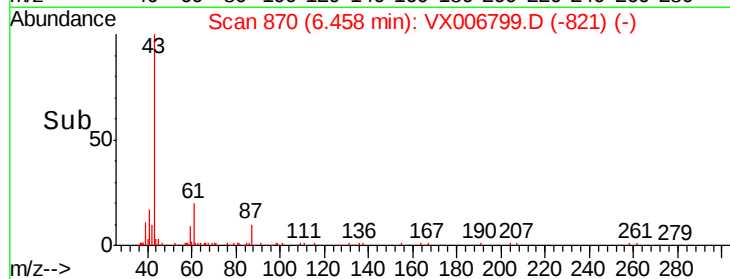
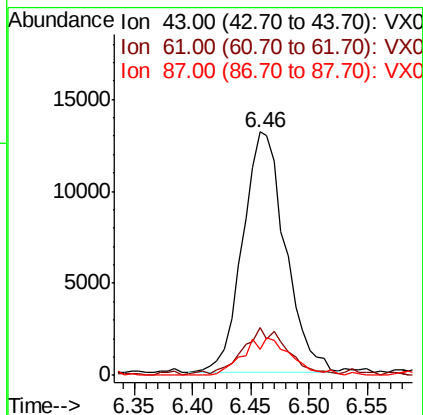
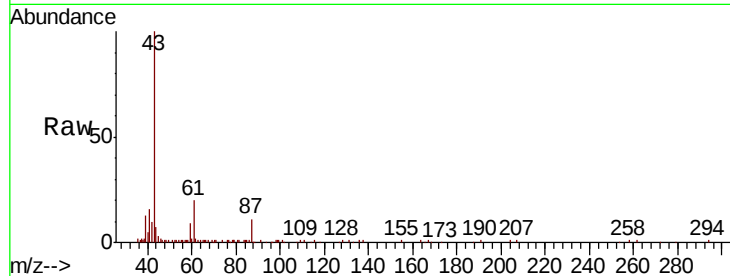


#43

Isopropyl Acetate  
 Concen: 2.304 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.00 min  
 Lab File: VX006799.D  
 Acq: 24 Dec 2018 17:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 G-A

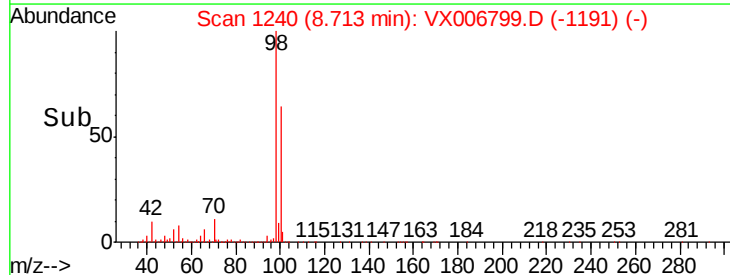
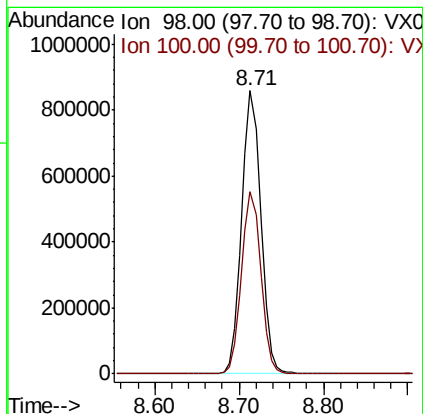
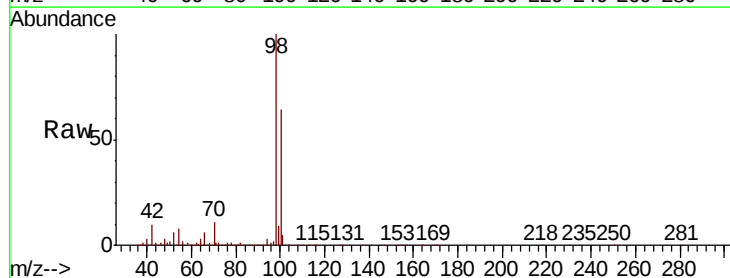
| Tot Ion   | 43    | Resp  | 33193 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 21.2  | 16.8  | 25.2  |
| 87        | 17.3  | 12.4  | 18.6  |

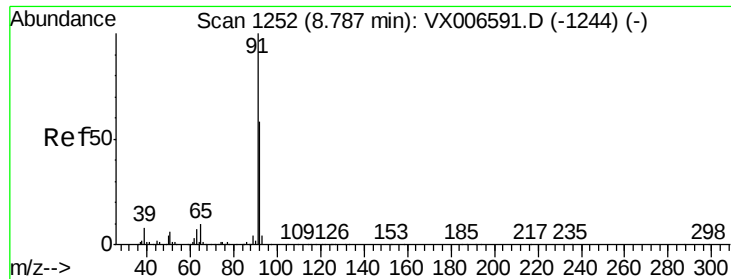


#50

Toluene-d8  
 Concen: 50.033 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX006799.D  
 Acq: 24 Dec 2018 17:04

| Tgt Ion   | 98    | Resp  | 1310387 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 98        | 100   |       |         |
| 100       | 64.5  | 52.0  | 78.0    |





#52

Toluene

Concen: 1.677 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

Instrument :

MSVOA\_X

ClientSampled :

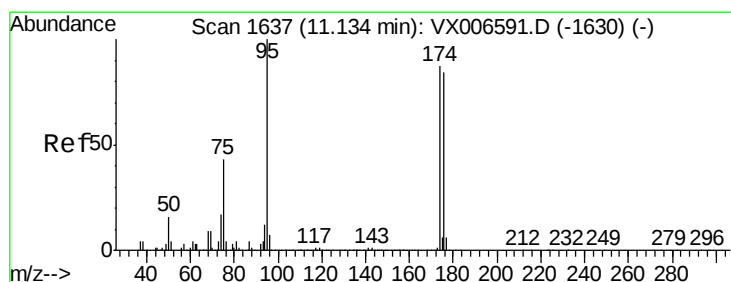
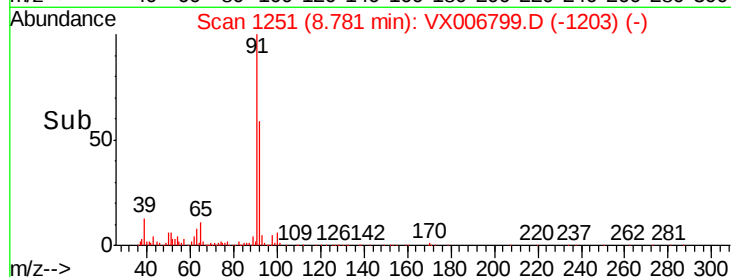
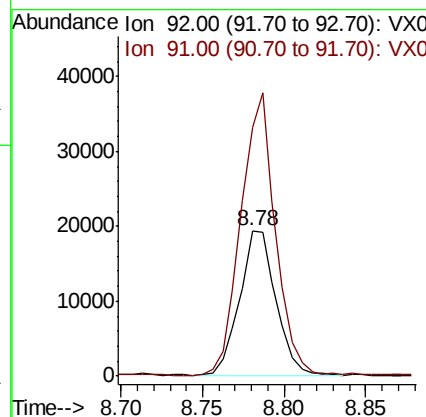
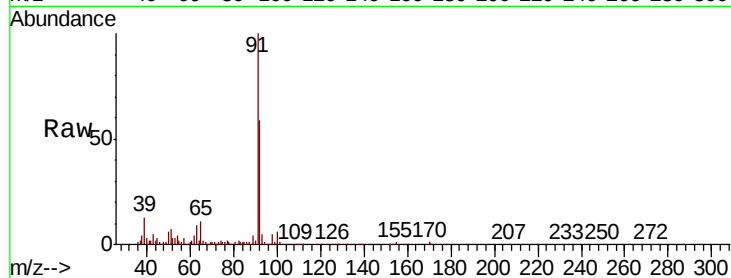
G-A

Tot Ion: 92 Resp: 29967

Ion Ratio Lower Upper

92 100

91 185.4 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 49.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

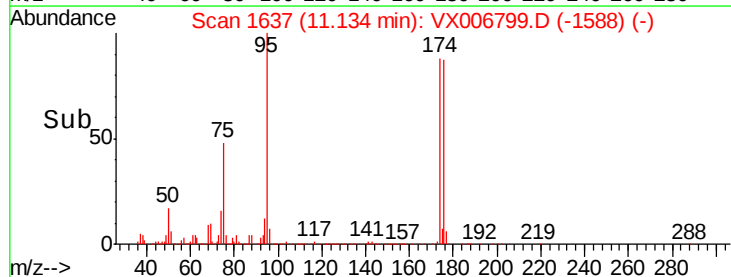
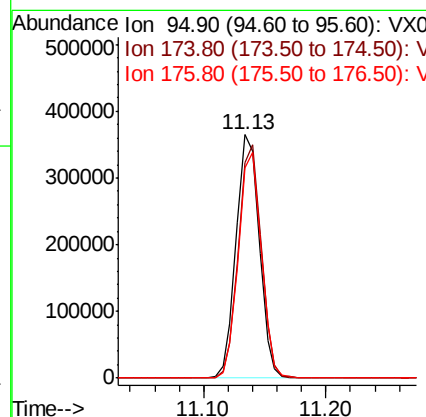
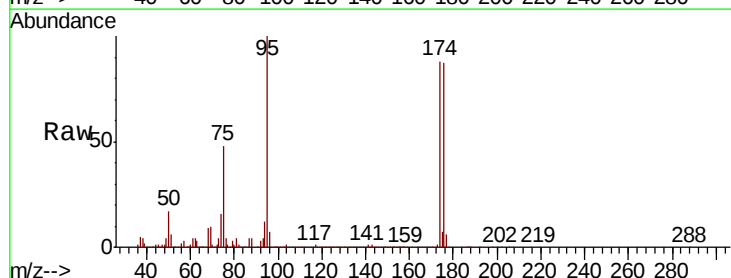
Tgt Ion: 95 Resp: 475346

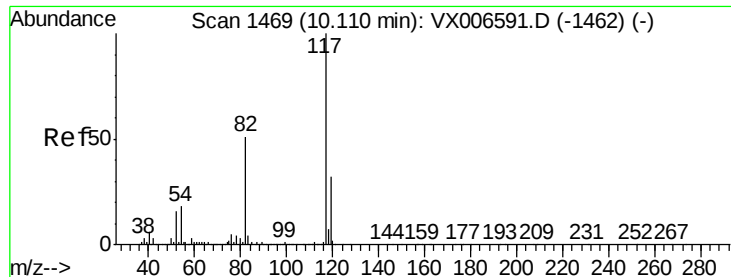
Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.2

176 92.1 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

Instrument :

MSVOA\_X

ClientSampled :

G-A

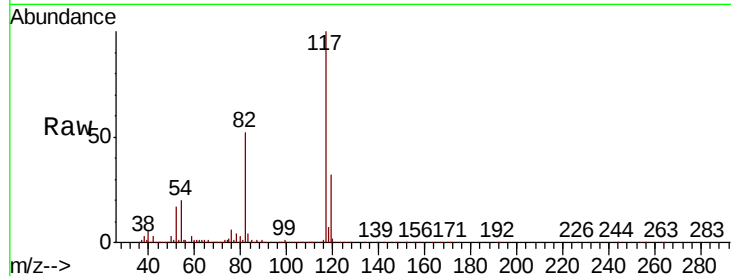
Tot Ion:117 Resp: 1016719

Ion Ratio Lower Upper

117 100

82 52.2 41.0 61.6

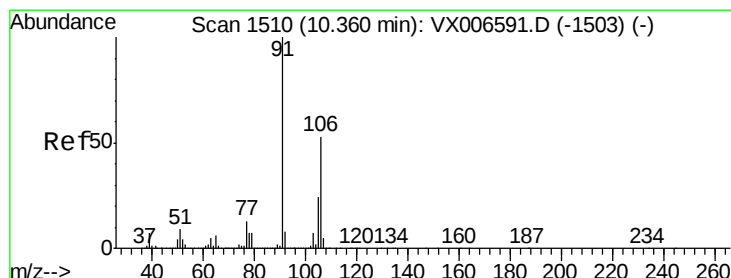
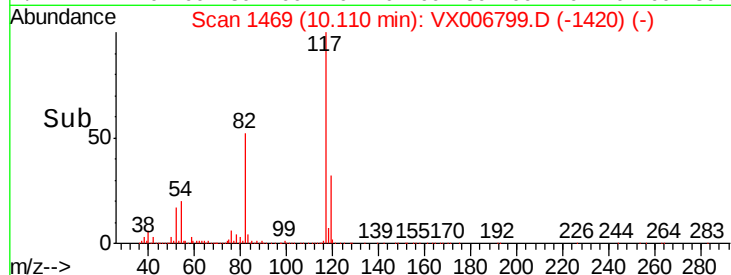
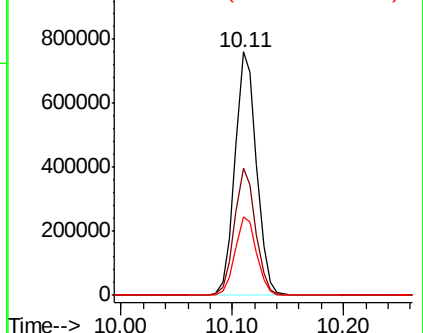
119 32.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 1.905 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX006799.D

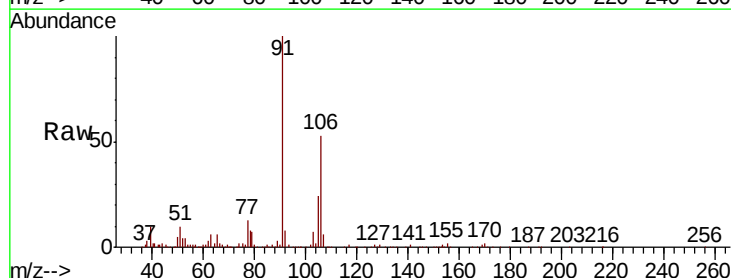
Acq: 24 Dec 2018 17:04

Tgt Ion:106 Resp: 26421

Ion Ratio Lower Upper

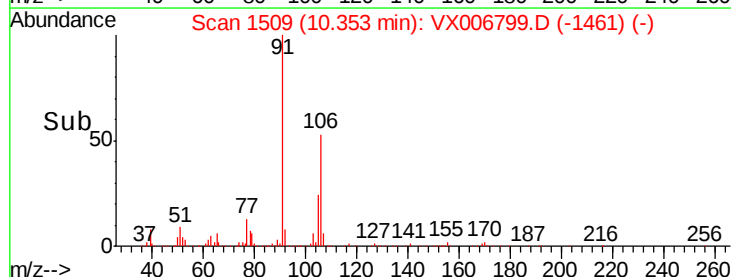
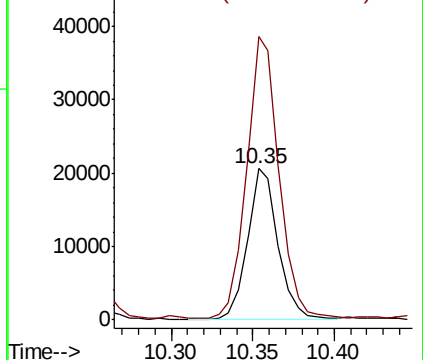
106 100

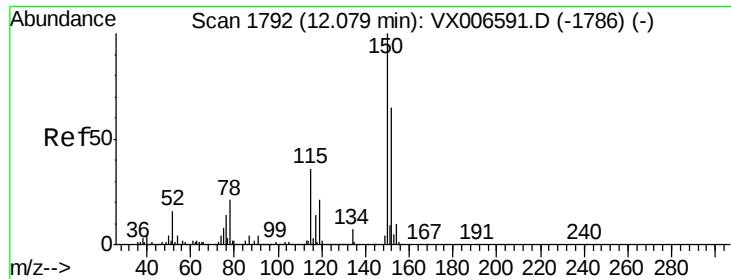
91 200.2 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006799.D

Acq: 24 Dec 2018 17:04

Instrument :

MSVOA\_X

ClientSampleId :

G-A

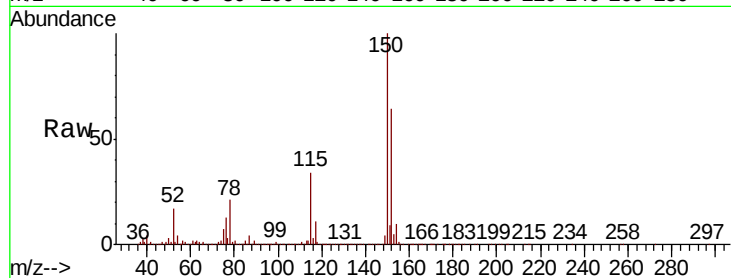
Tot Ion:152 Resp: 508104

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.2

150 157.8 0.0 344.8



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

