

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\  
 Data File : VX006237.D  
 Acq On : 30 Nov 2018 18:16  
 Operator : JC/MD  
 Sample : J6153-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-J

Quant Time: Dec 01 00:22:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

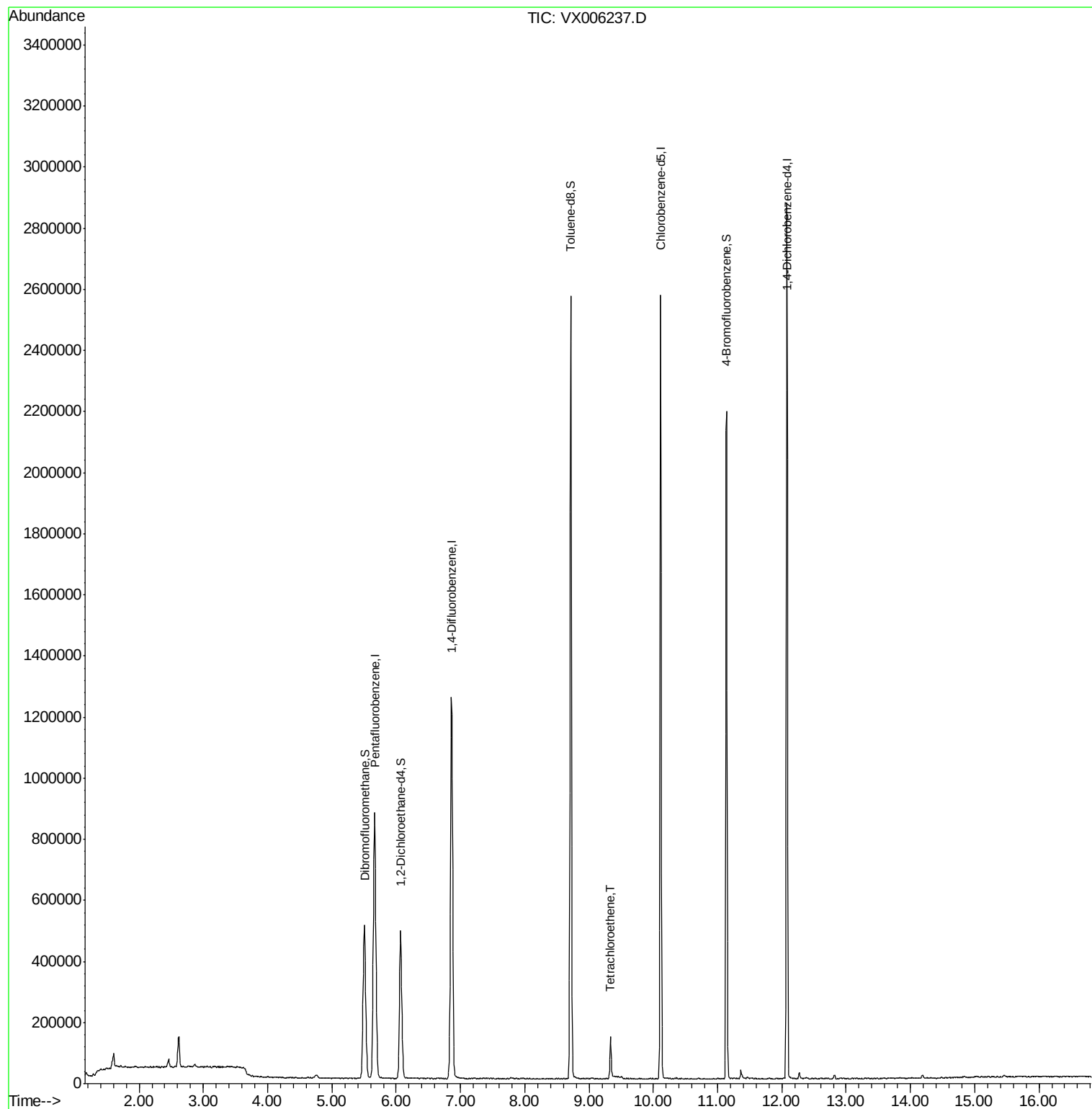
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 910661   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 1367861  | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 1238580  | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 605888   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 452244   | 48.65 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.30% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 435551   | 49.18 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.36% |           |
| 50) Toluene-d8              | 8.71  | 98   | 1585145  | 49.21 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.42% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 589289   | 48.54 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.08% |           |
| Target Compounds            |       |      |          |       |        |           |
| 64) Tetrachloroethene       | 9.33  | 164  | 18553    | 1.989 | ug/l   | Qvalue 90 |

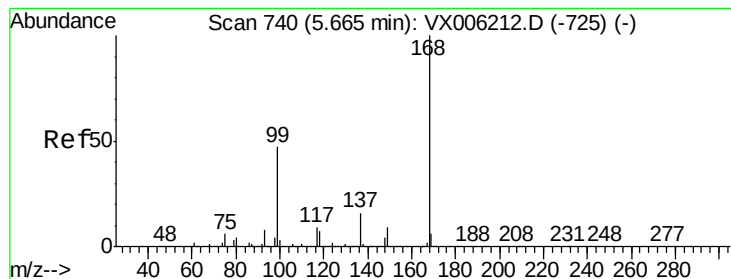
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-J

Quant Time: Dec 01 00:22:27 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA\_X

ClientSampled :

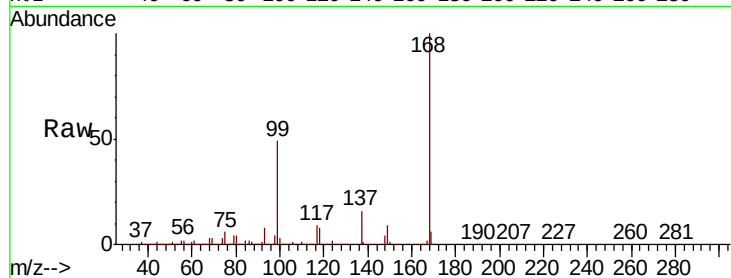
MH-J

Tot Ion:168 Resp: 910661

Ion Ratio Lower Upper

168 100

99 49.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

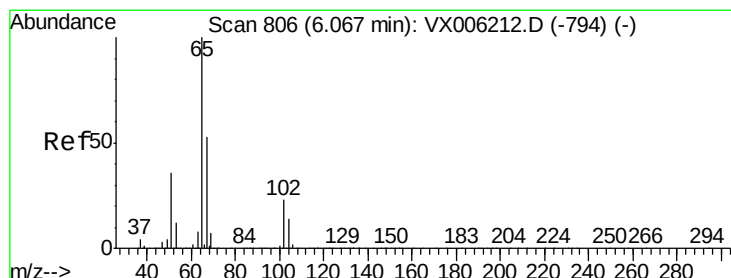
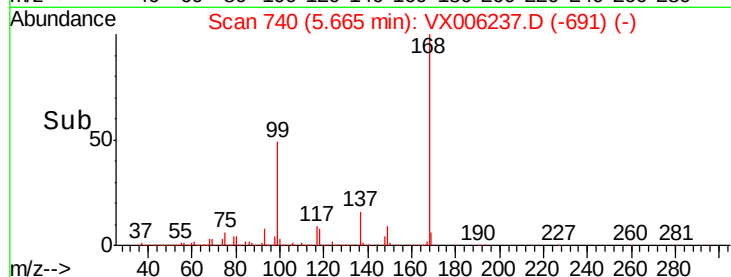
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.647 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006237.D

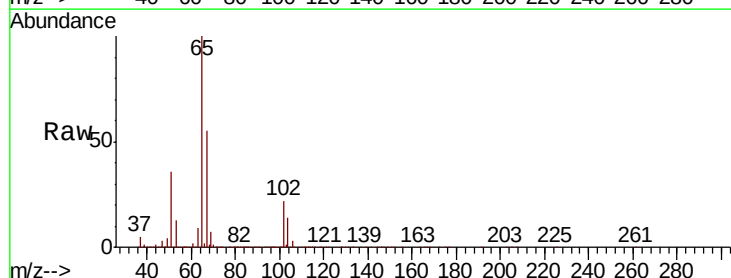
Acq: 30 Nov 2018 18:16

Tgt Ion: 65 Resp: 452244

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

200000

150000

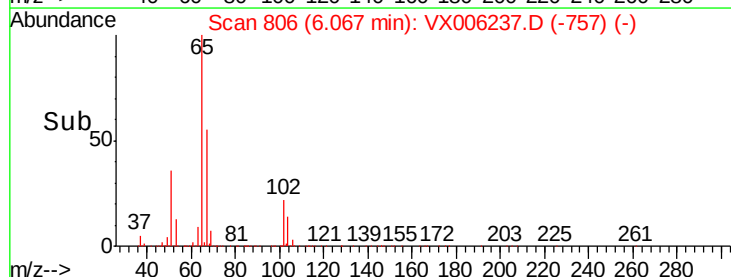
100000

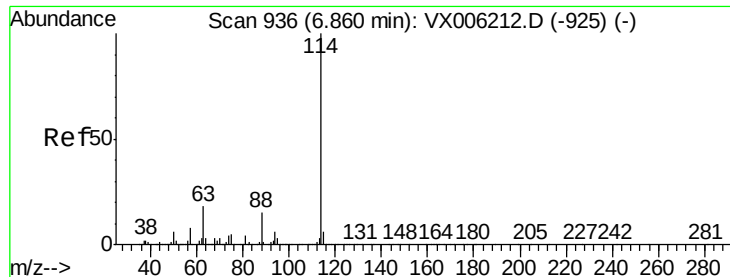
50000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

MH-J

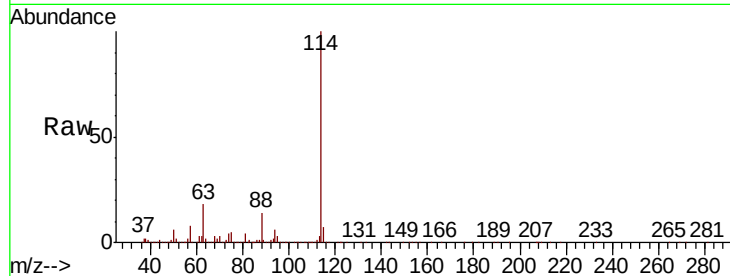
Tot Ion:114 Resp: 1367861

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

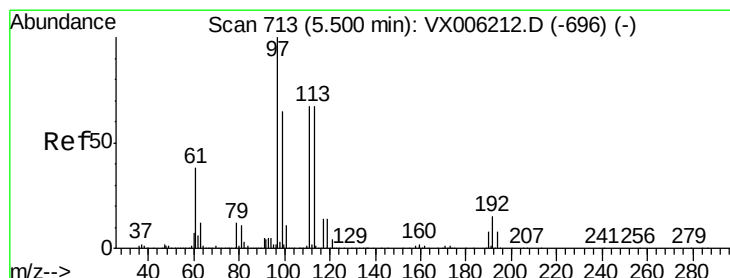
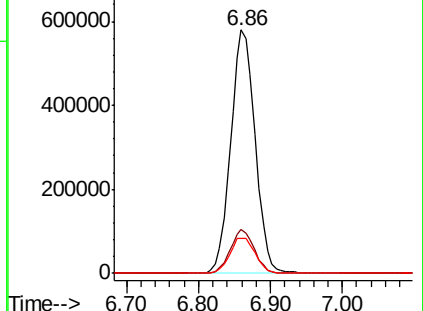
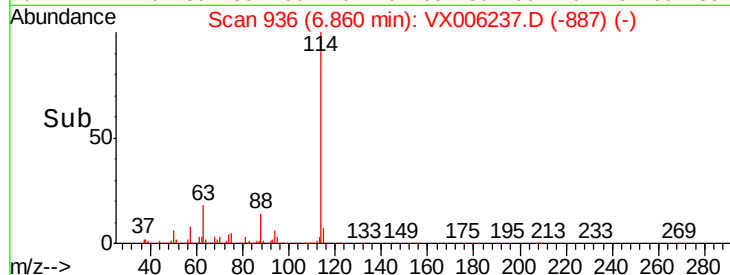
88 14.5 0.0 29.0



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: 49.179 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

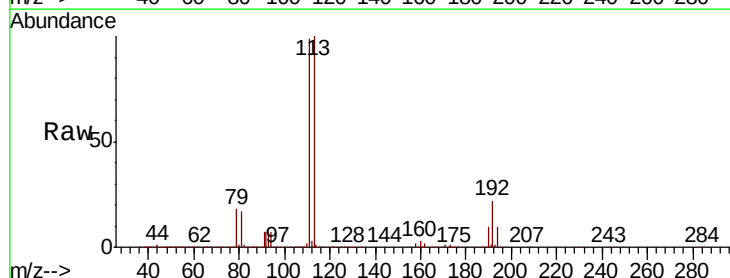
Tgt Ion:113 Resp: 435551

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

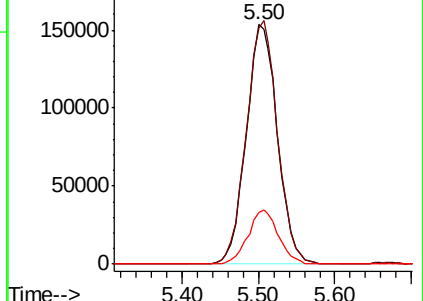
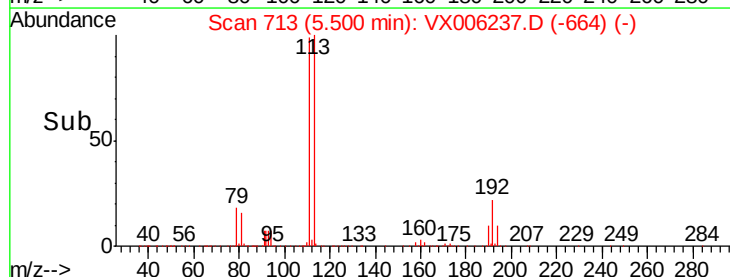
192 22.1 18.2 27.2

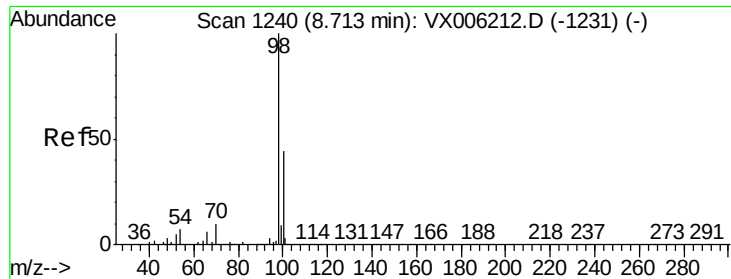


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

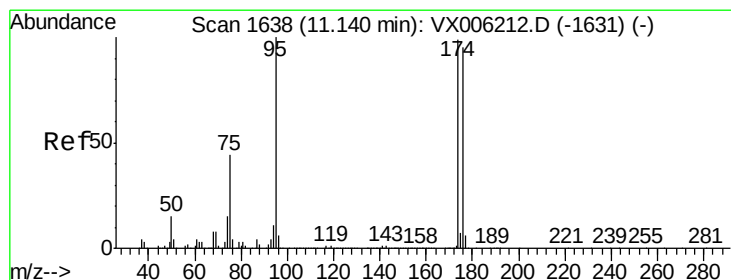
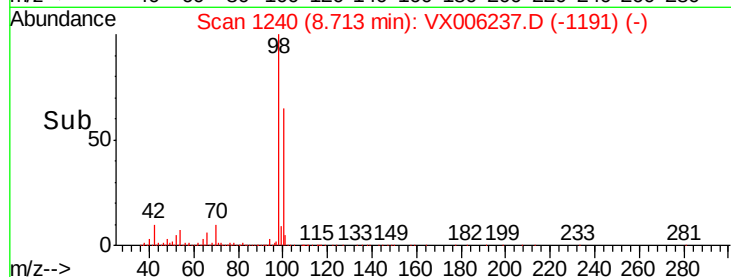
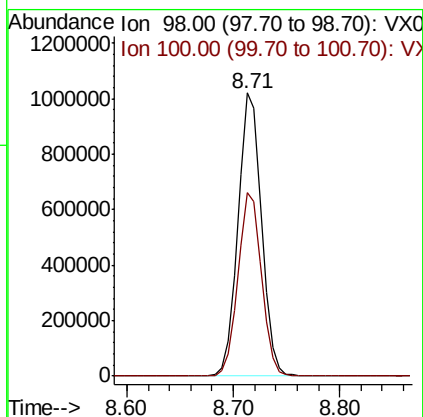
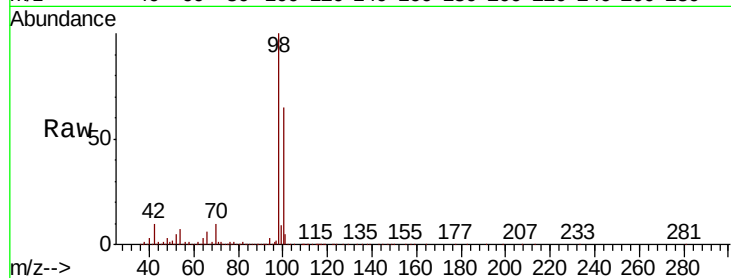




#50  
Toluene-d8  
Concen: 49.206 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX006237.D  
Acq: 30 Nov 2018 18:16

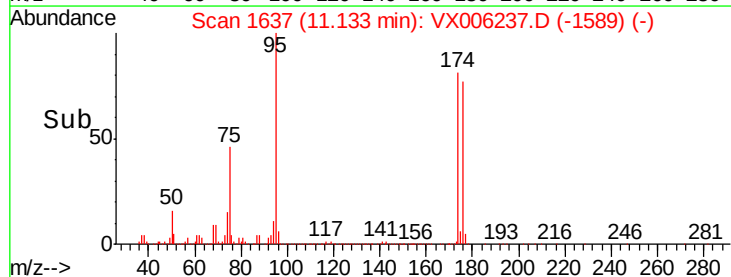
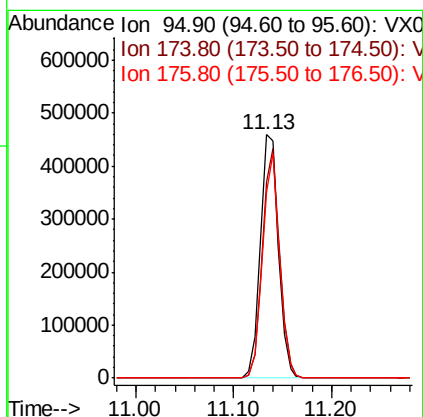
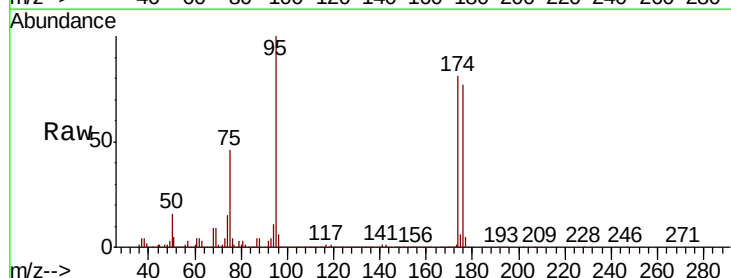
Instrument :  
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ClientSampleId :  
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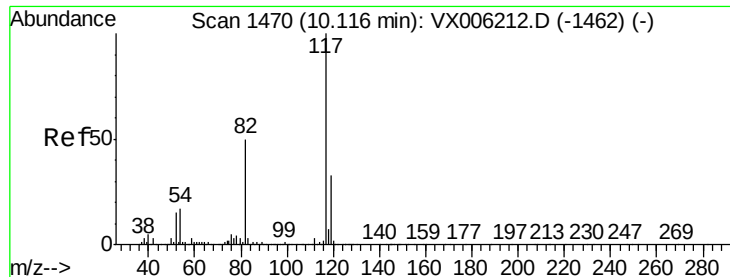
Tot Ion: 98 Resp: 1585145  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 48.544 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.01 min  
Lab File: VX006237.D  
Acq: 30 Nov 2018 18:16

Tgt Ion: 95 Resp: 589289  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 187.0  
176 87.0 0.0 181.8

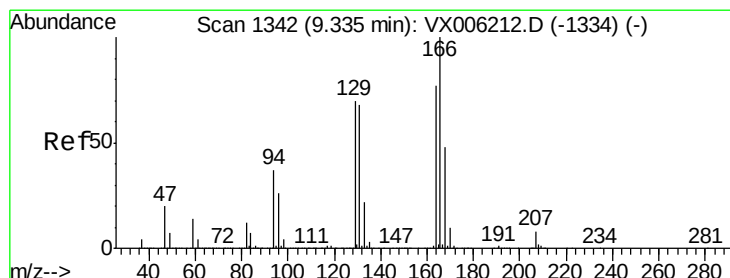
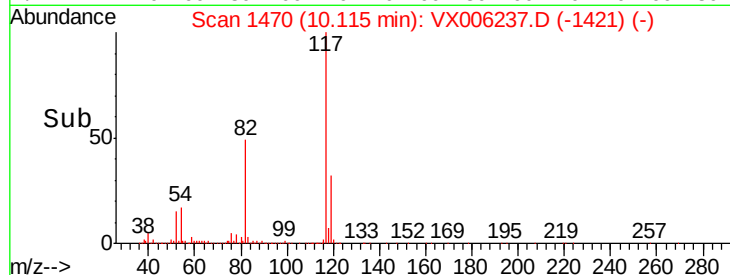
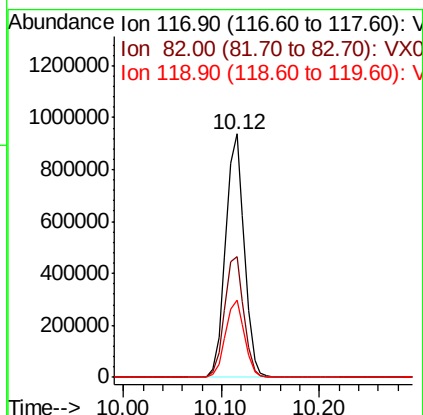
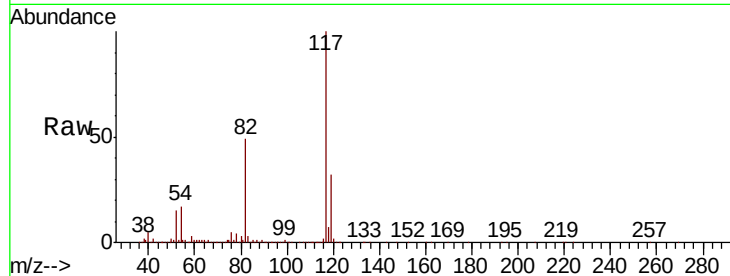




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX006237.D  
Acq: 30 Nov 2018 18:16

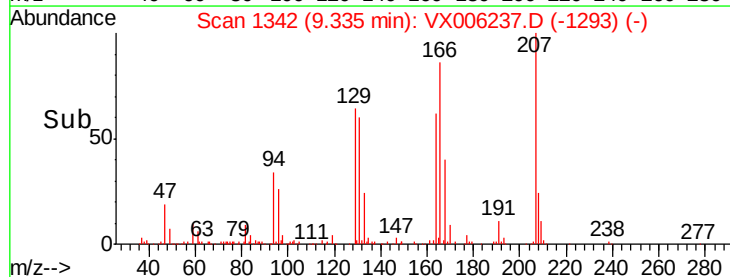
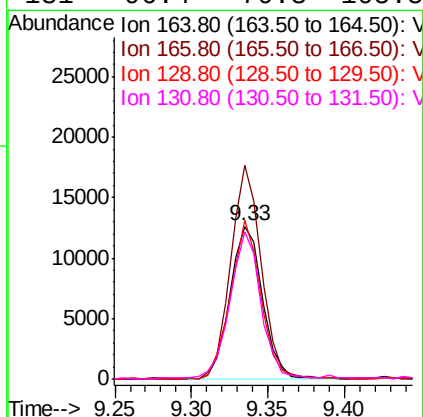
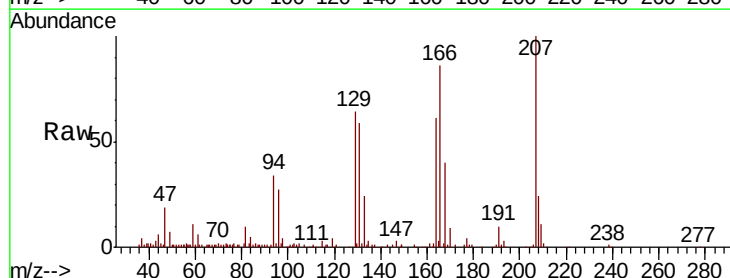
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-J

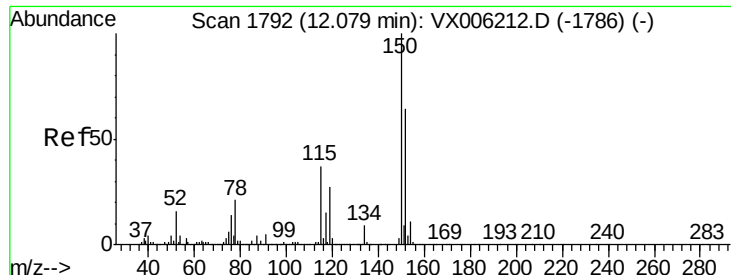
Tot Ion:117 Resp: 1238580  
Ion Ratio Lower Upper  
117 100  
82 49.3 39.6 59.4  
119 31.9 26.3 39.5



#64  
Tetrachloroethene  
Concen: 1.989 ug/l  
RT: 9.33 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX006237.D  
Acq: 30 Nov 2018 18:16

Tgt Ion:164 Resp: 18553  
Ion Ratio Lower Upper  
164 100  
166 139.7 104.2 156.2  
129 103.7 72.6 108.8  
131 96.4 70.3 105.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006237.D

Acq: 30 Nov 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

MH-J

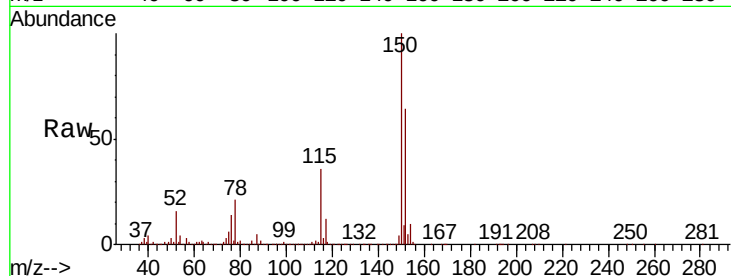
Tot Ion:152 Resp: 605888

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

150 154.6 0.0 345.8



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

