

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
 Data File : VX005058.D  
 Acq On : 05 Oct 2018 09:51  
 Operator : JC/MD  
 Sample : J5207-23  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 96 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW512-2125

Quant Time: Oct 05 11:54:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

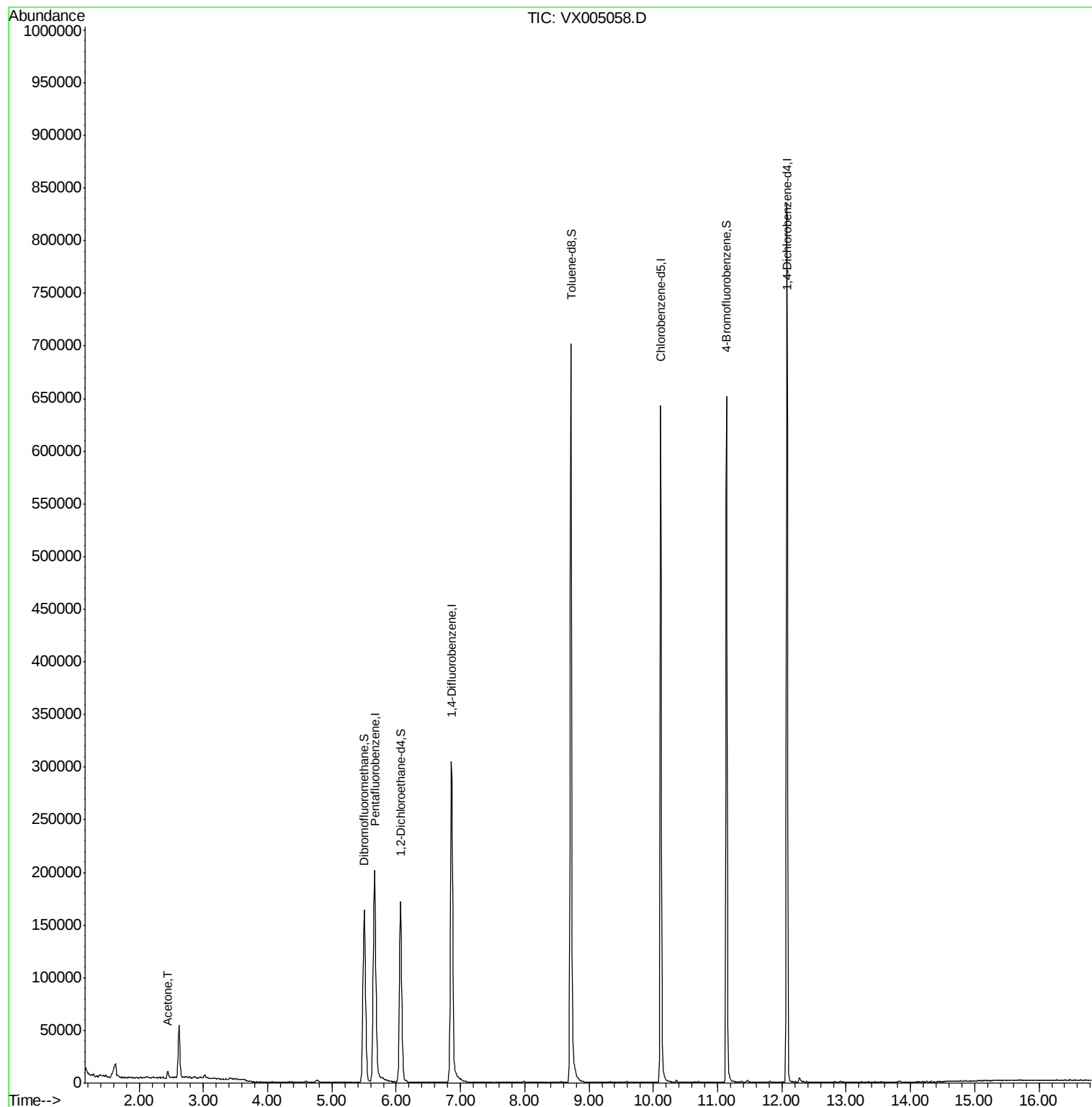
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 206410   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 319070   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 313725   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 172390   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 162433   | 55.09 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.18% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 139257   | 51.50 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.00% |           |
| 50) Toluene-d8              | 8.72  | 98   | 461113   | 51.29 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.58% |           |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 165347   | 51.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.10% |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.45  | 43   | 6256     | 3.634 | ug/l    | Qvalue 98 |

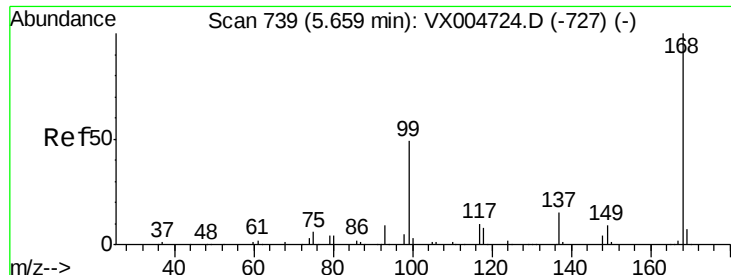
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SA-TW512-2125

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Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 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: VX005058.D

Acq: 05 Oct 2018 09:51

Instrument :

MSVOA\_X

ClientSampleId :

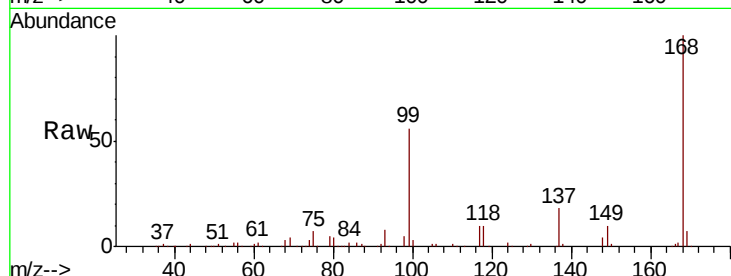
SA-TW512-2125

Tot Ion:168 Resp: 206410

Ion Ratio Lower Upper

168 100

99 55.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

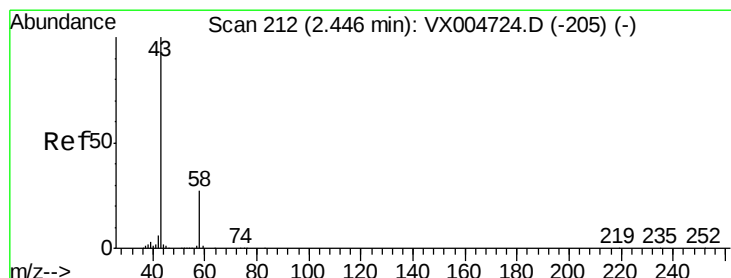
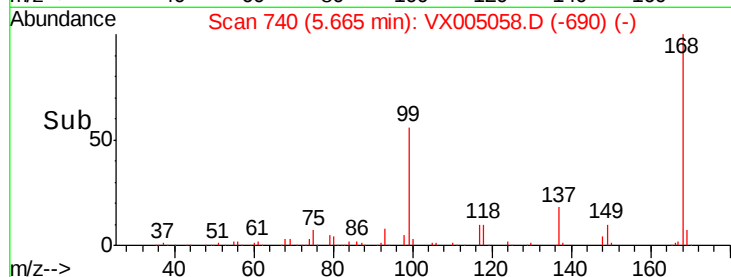
40000

20000

0

Time-->

5.60 5.70 5.80



#16

Acetone

Concen: 3.634 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005058.D

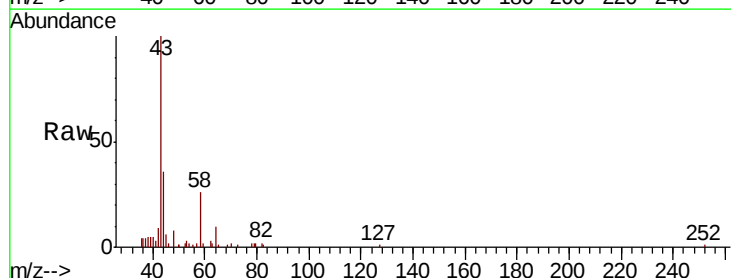
Acq: 05 Oct 2018 09:51

Tgt Ion: 43 Resp: 6256

Ion Ratio Lower Upper

43 100

58 26.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

3000

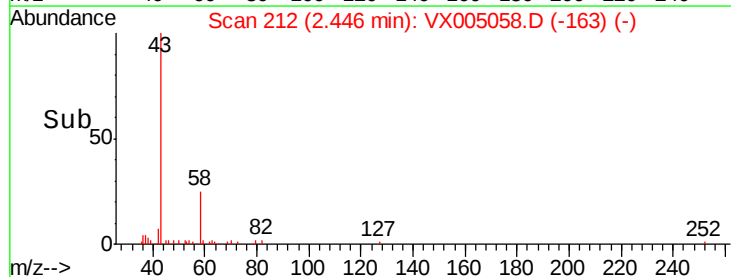
2000

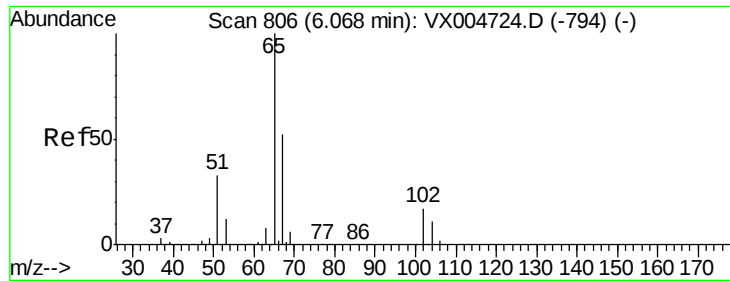
1000

0

Time-->

2.35 2.40 2.45 2.50





#33

1,2-Dichloroethane-d4

Concen: 55.089 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005058.D

Acq: 05 Oct 2018 09:51

Instrument :

MSVOA\_X

ClientSampleId :

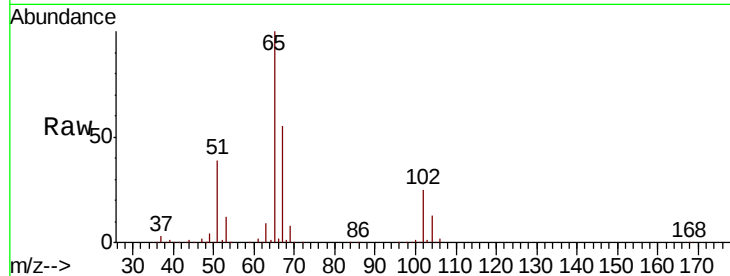
SA-TW512-2125

Tot Ion: 65 Resp: 162433

Ion Ratio Lower Upper

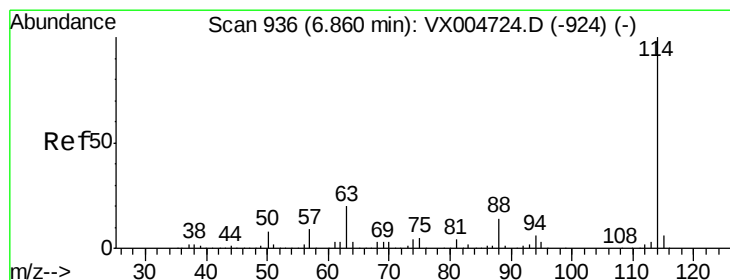
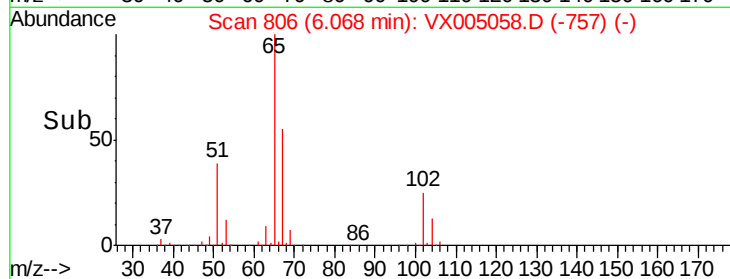
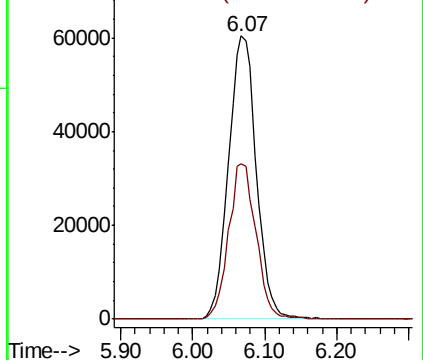
65 100

67 54.3 0.0 107.4



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: VX005058.D

Acq: 05 Oct 2018 09:51

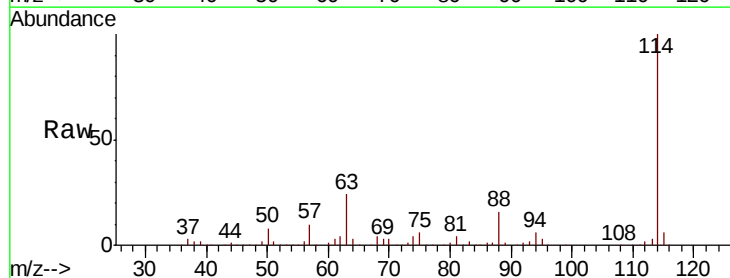
Tgt Ion: 114 Resp: 319070

Ion Ratio Lower Upper

114 100

63 24.1 0.0 39.8

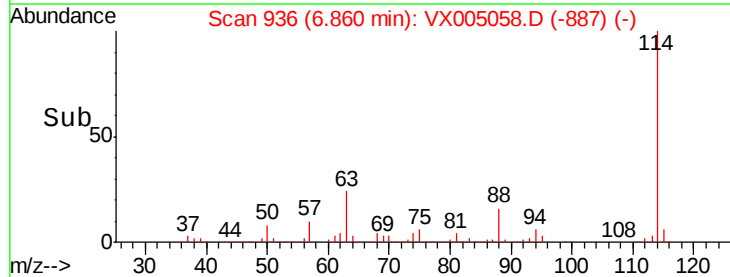
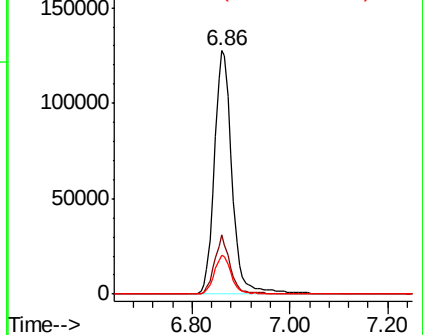
88 15.9 0.0 27.0

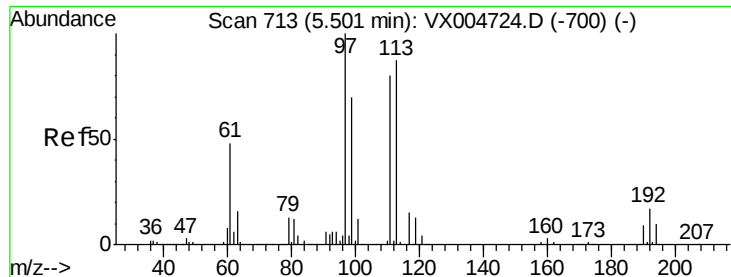


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

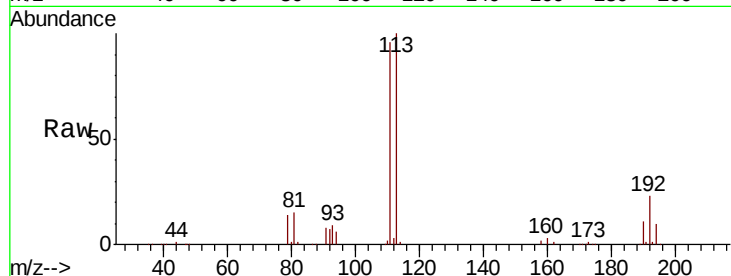




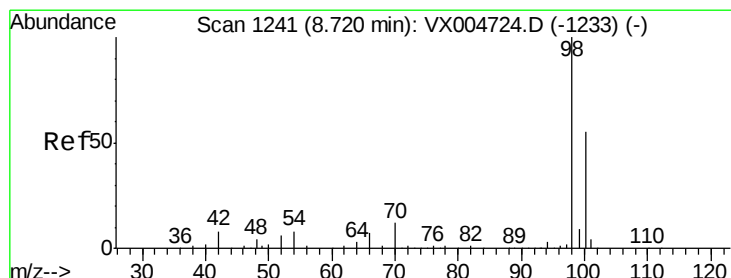
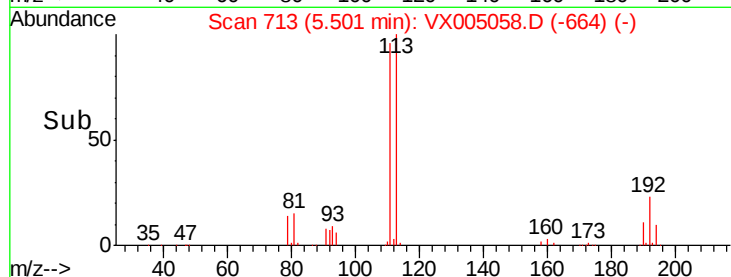
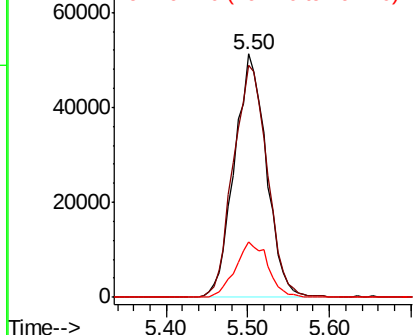
#35  
 Dibromofluoromethane  
 Concen: 51.497 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX005058.D  
 Acq: 05 Oct 2018 09:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW512-2125

Tot Ion:113 Resp: 139257  
 Ion Ratio Lower Upper  
 113 100  
 111 101.2 77.0 115.4  
 192 23.4 17.0 25.6

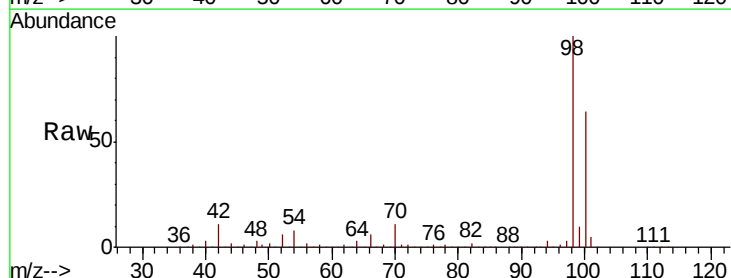


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

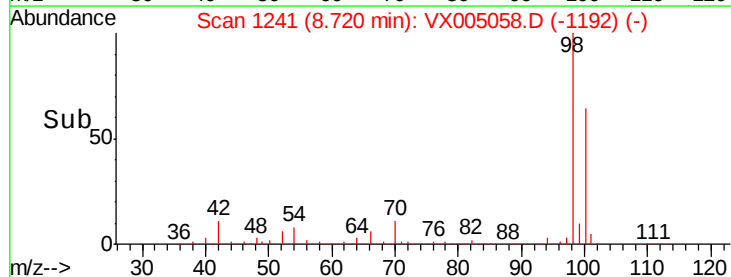
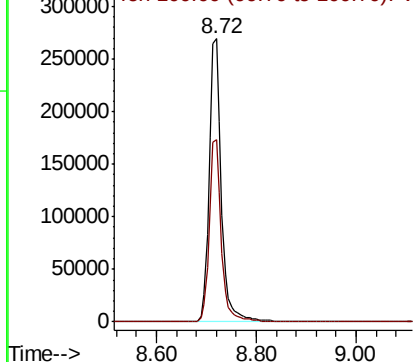


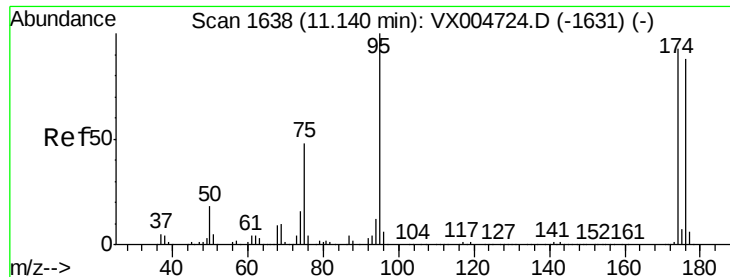
#50  
 Toluene-d8  
 Concen: 51.292 ug/l  
 RT: 8.72 min Scan# 1241  
 Delta R.T. 0.00 min  
 Lab File: VX005058.D  
 Acq: 05 Oct 2018 09:51

Tgt Ion: 98 Resp: 461113  
 Ion Ratio Lower Upper  
 98 100  
 100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.054 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005058.D

Acq: 05 Oct 2018 09:51

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW512-2125

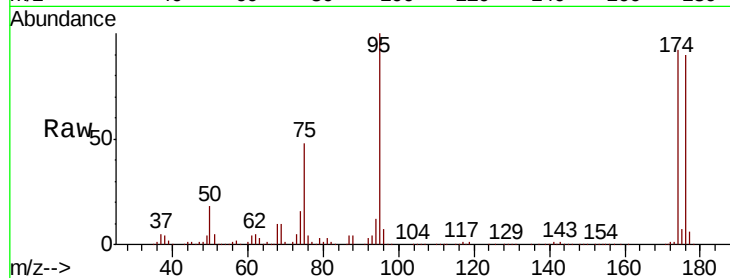
Tot Ion: 95 Resp: 165347

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.0

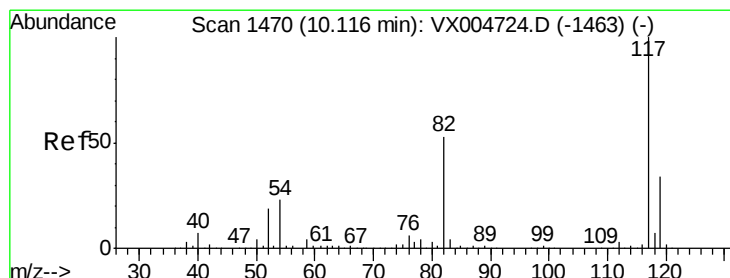
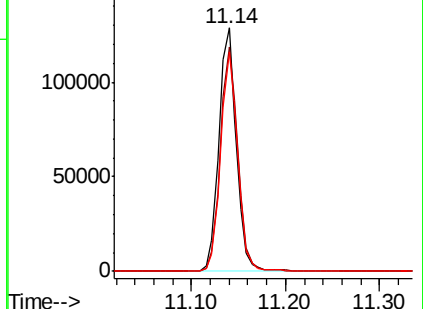
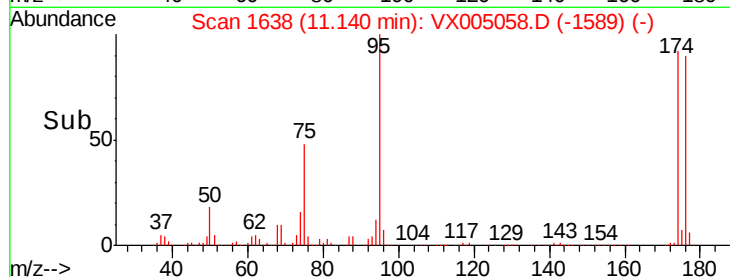
176 88.7 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX005058.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005058.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005058.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005058.D

Acq: 05 Oct 2018 09:51

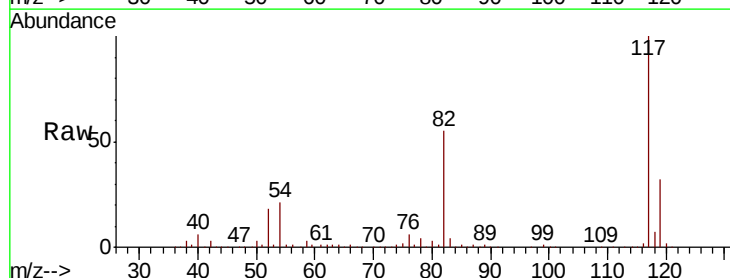
Tgt Ion: 117 Resp: 313725

Ion Ratio Lower Upper

117 100

82 54.7 42.2 63.4

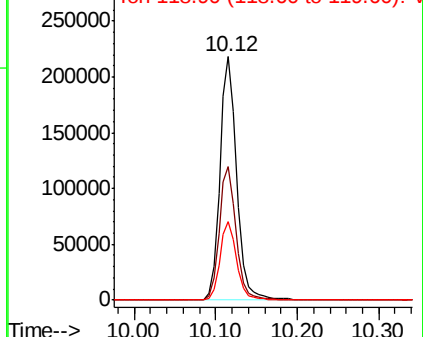
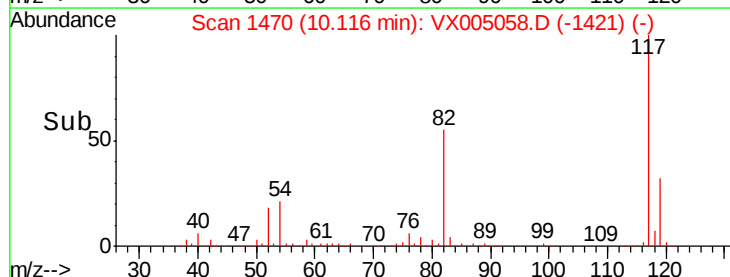
119 32.4 27.4 41.0

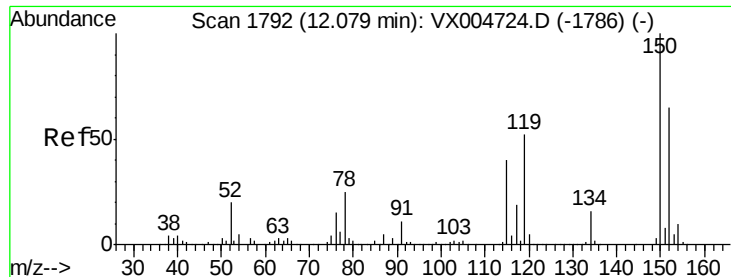


Abundance Ion 116.90 (116.60 to 117.60): VX005058.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005058.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005058.D (-1421) (-)





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX005058.D  
 Acq: 05 Oct 2018 09:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW512-2125

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 40.2  | 120.6 |
| 150     | 156.1 | 0.0   | 351.0 |

