

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\  
 Data File : VX002718.D  
 Acq On : 19 Jun 2018 17:38  
 Operator : JC/MD  
 Sample : J3479-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z5TB07-180611

Quant Time: Jun 20 01:27:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

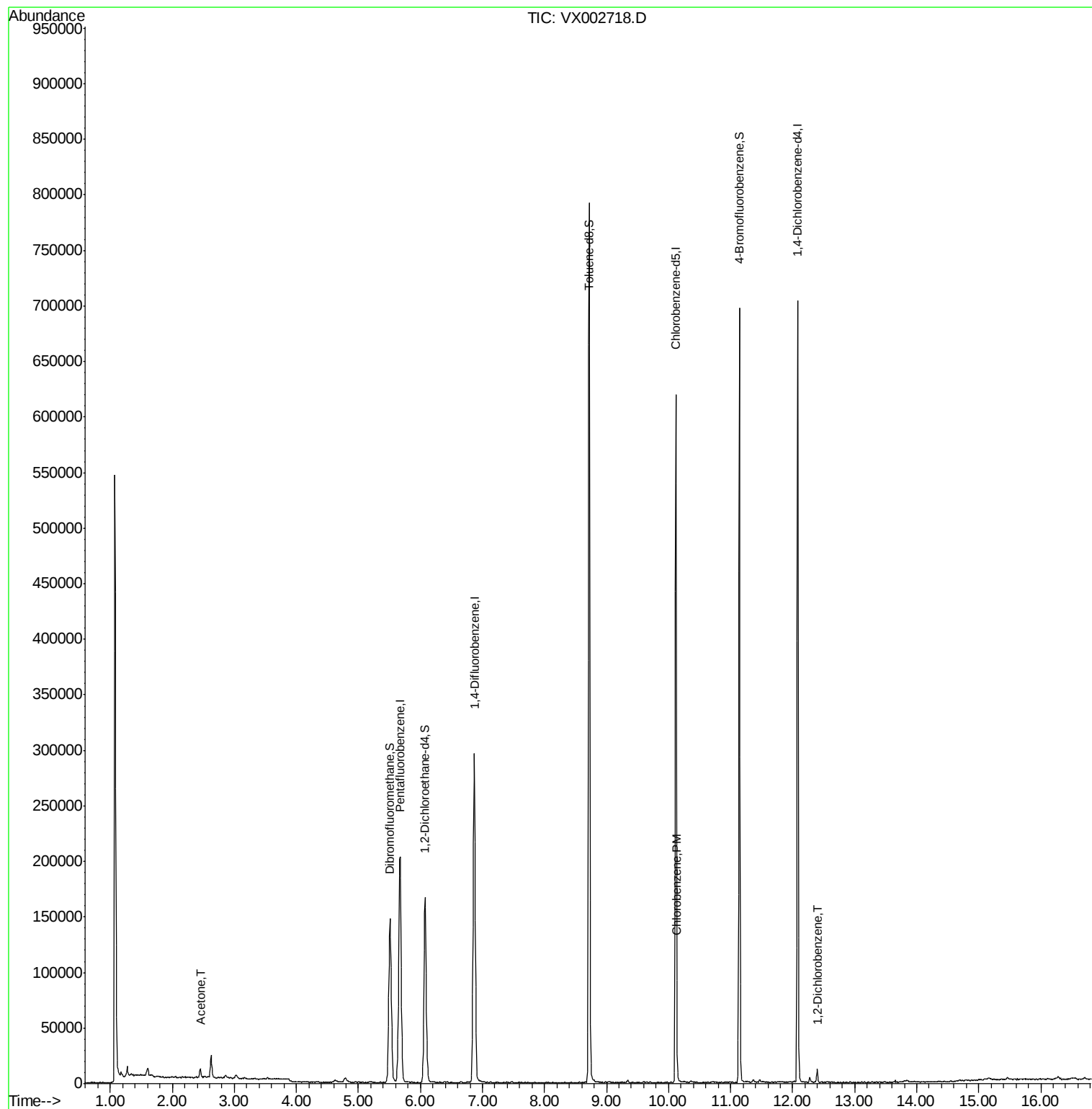
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 204170   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 287058   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 269808   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 152210   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 154279   | 49.73 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.46%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 119482   | 52.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.30% |          |
| 50) Toluene-d8              | 8.72  | 98   | 457485   | 52.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.18% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 158703   | 48.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.30%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 8773     | 6.41  | ug/l    | 98       |
| 65) Chlorobenzene           | 10.14 | 112  | 1387     | 0.21  | ug/l #  | 85       |
| 91) 1,2-Dichlorobenzene     | 12.40 | 146  | 3264     | 0.62  | ug/l    | 96       |

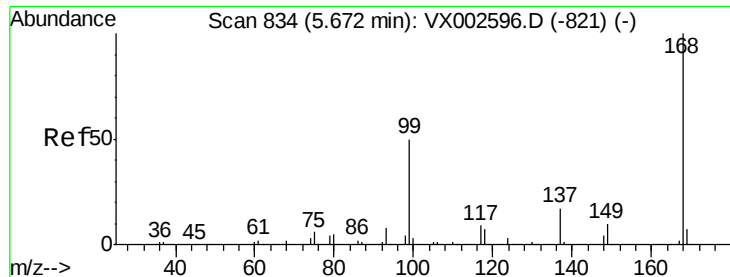
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Z5TB07-180611

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:37:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

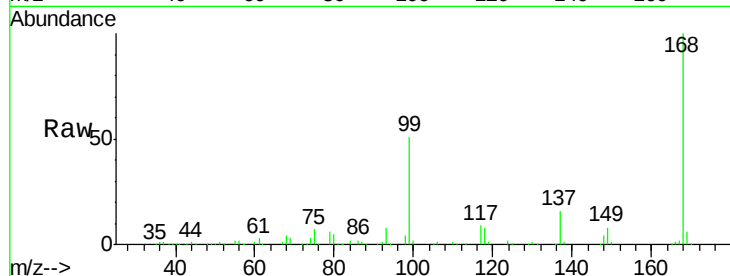
Z5TB07-180611

Tot Ion:168 Resp: 204170

Ion Ratio Lower Upper

168 100

99 50.6 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

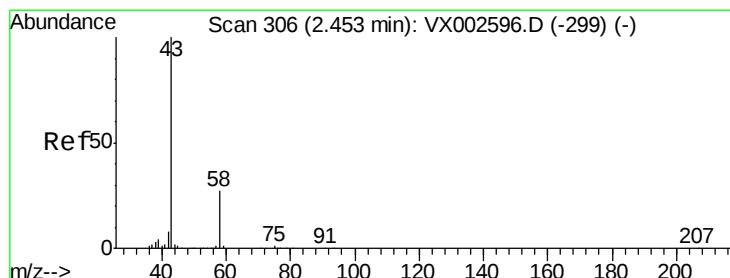
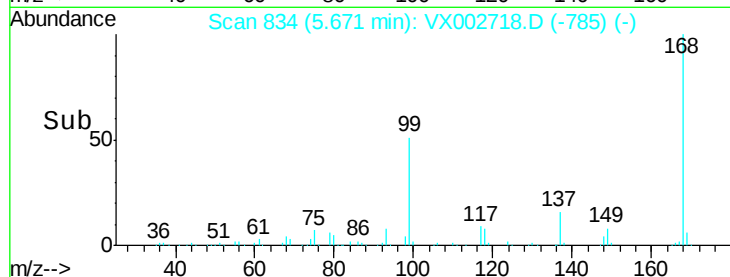
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 6.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002718.D

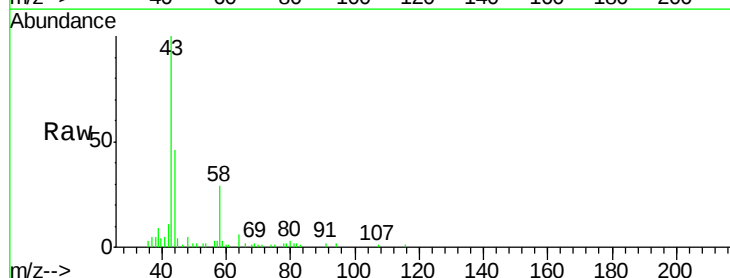
Acq: 19 Jun 2018 17:38

Tgt Ion: 43 Resp: 8773

Ion Ratio Lower Upper

43 100

58 28.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

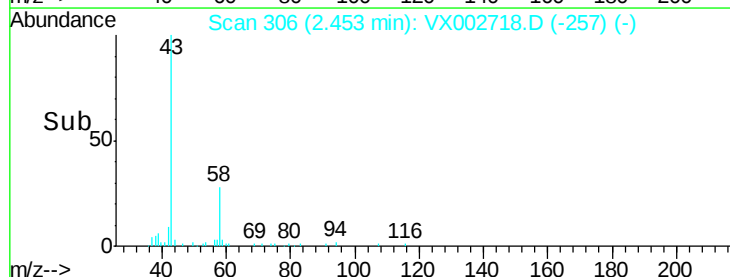
3000

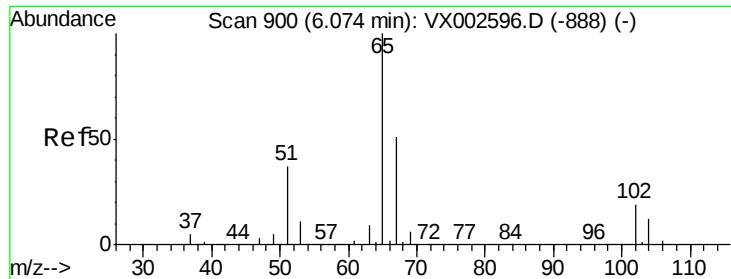
2000

1000

0

Time--> 2.40 2.45 2.50 2.55





#33

1,2-Dichloroethane-d4

Concen: 49.73 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

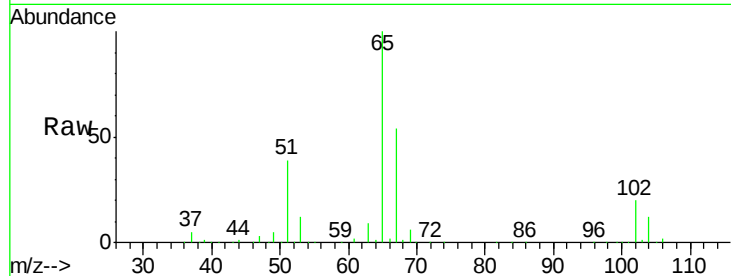
Z5TB07-180611

Tot Ion: 65 Resp: 154279

Ion Ratio Lower Upper

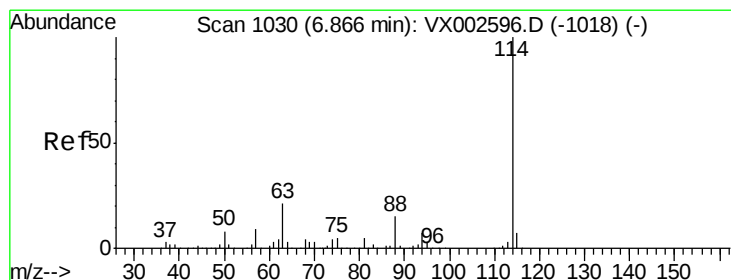
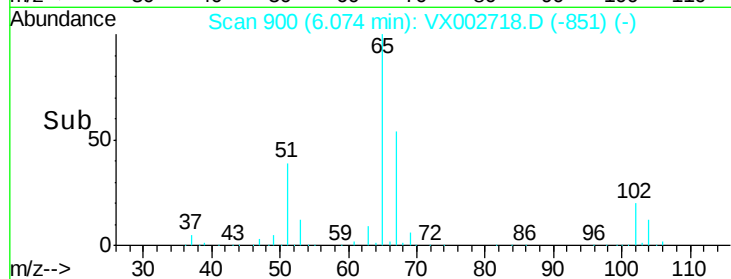
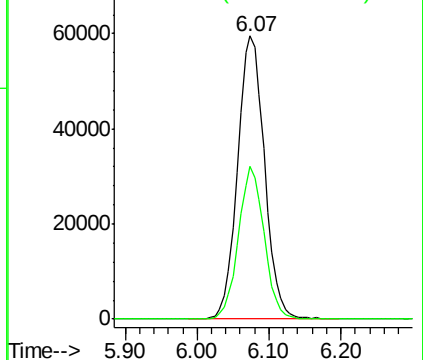
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

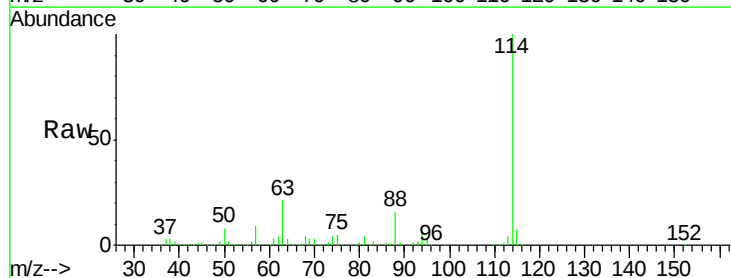
Tgt Ion: 114 Resp: 287058

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

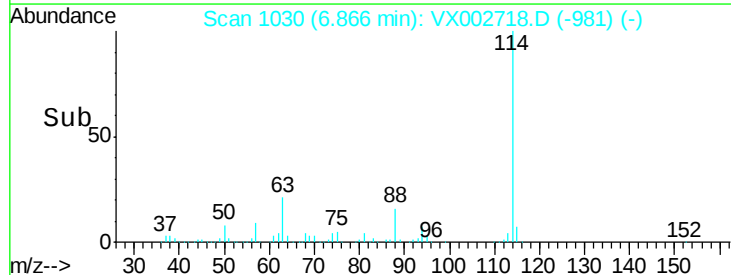
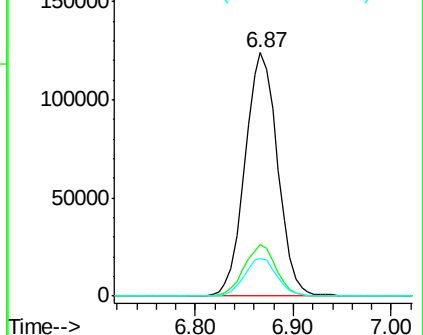
88 15.6 0.0 30.0

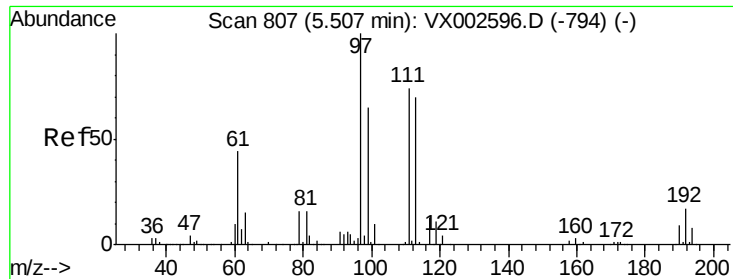


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

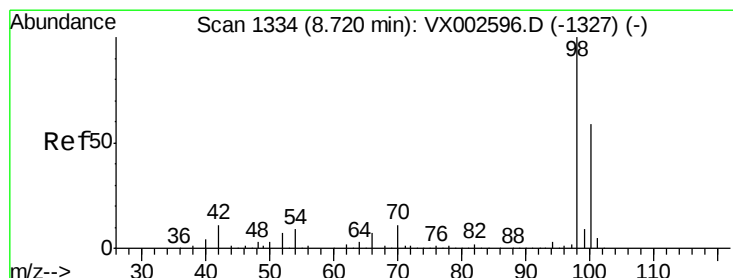
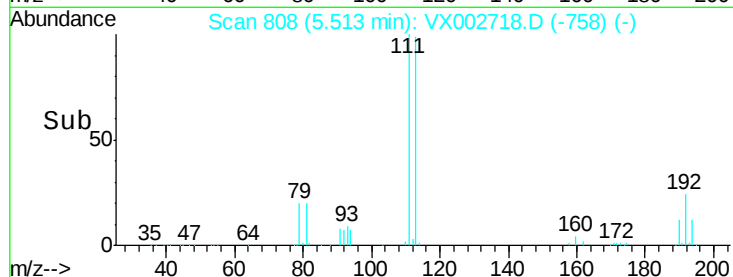
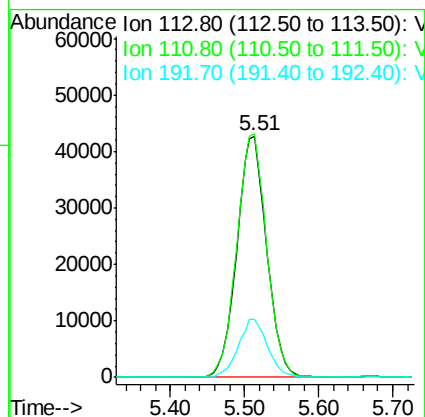
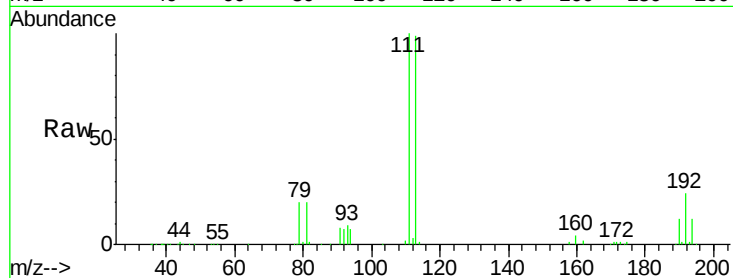




#35  
Dibromofluoromethane  
Concen: 52.15 ug/l  
RT: 5.51 min Scan# 808  
Delta R.T. 0.01 min  
Lab File: VX002718.D  
Acq: 19 Jun 2018 17:38

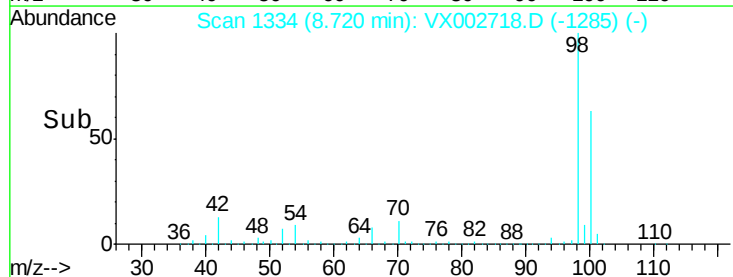
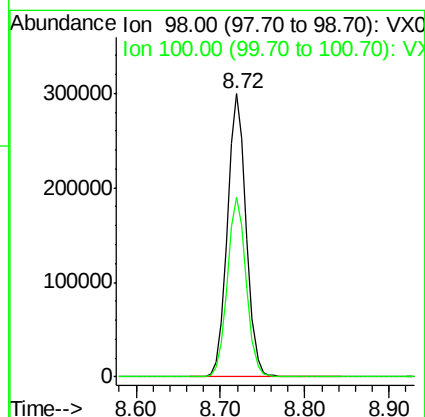
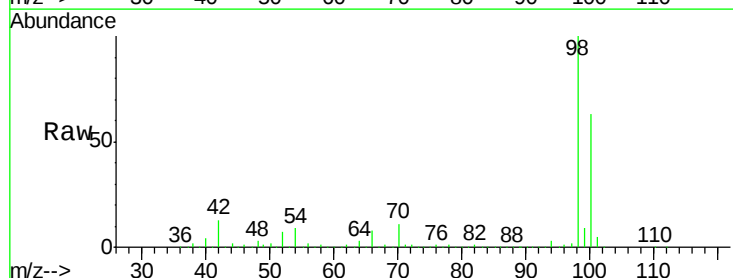
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z5TB07-180611

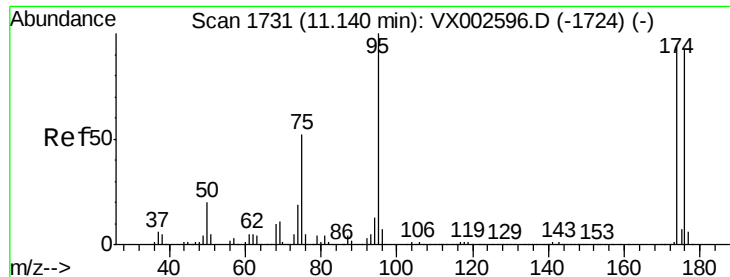
Tot Ion:113 Resp: 119482  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.4 122.0  
192 23.8 19.1 28.7



#50  
Toluene-d8  
Concen: 52.59 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX002718.D  
Acq: 19 Jun 2018 17:38

Tgt Ion: 98 Resp: 457485  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.9 76.3

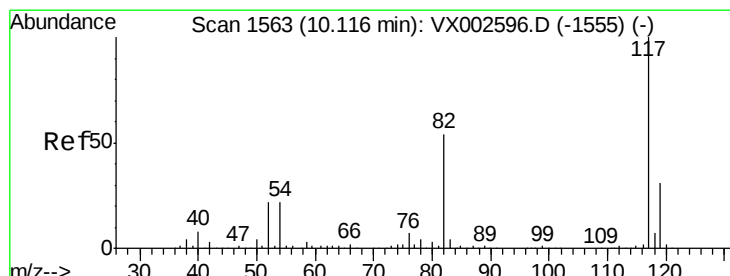
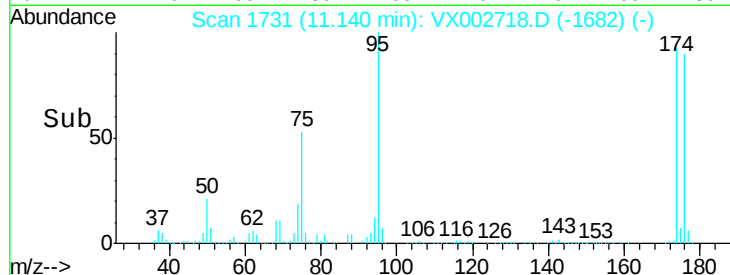
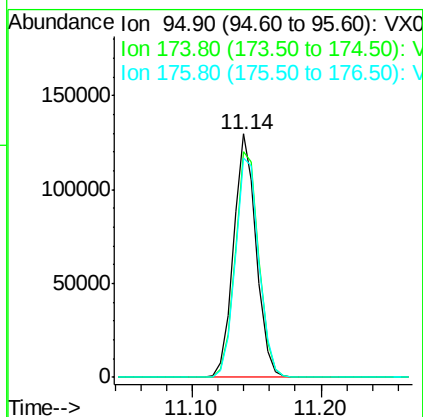
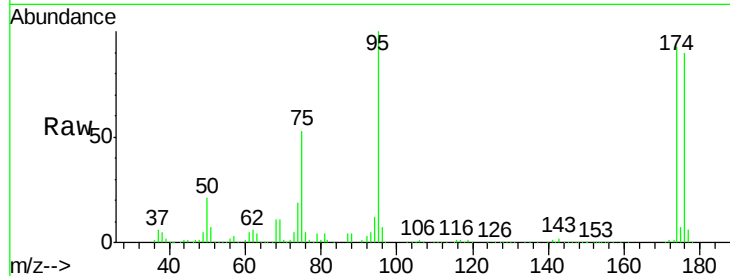




#62  
4-Bromofluorobenzene  
Concen: 48.15 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX002718.D  
Acq: 19 Jun 2018 17:38

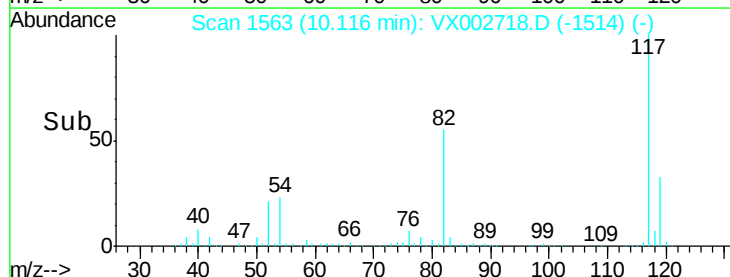
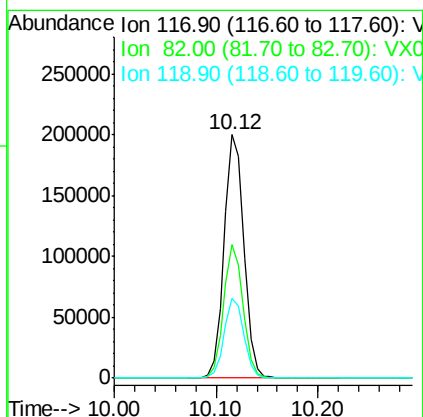
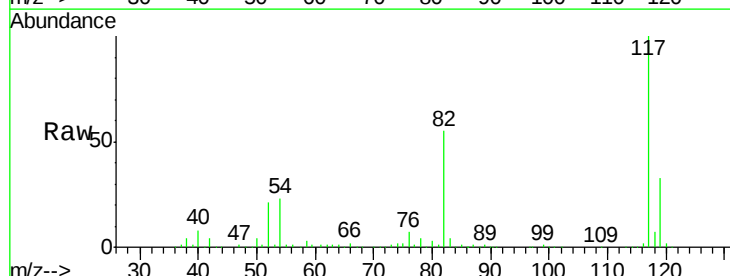
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z5TB07-180611

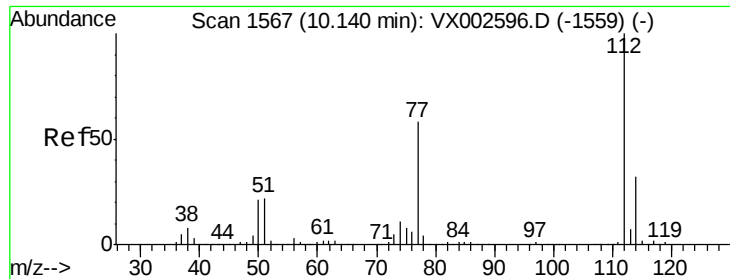
Tot Ion: 95 Resp: 158703  
Ion Ratio Lower Upper  
95 100  
174 96.7 0.0 187.4  
176 94.2 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002718.D  
Acq: 19 Jun 2018 17:38

Tgt Ion: 117 Resp: 269808  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.0 67.4  
119 32.7 25.8 38.6





#65

Chlorobenzene

Concen: 0.21 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

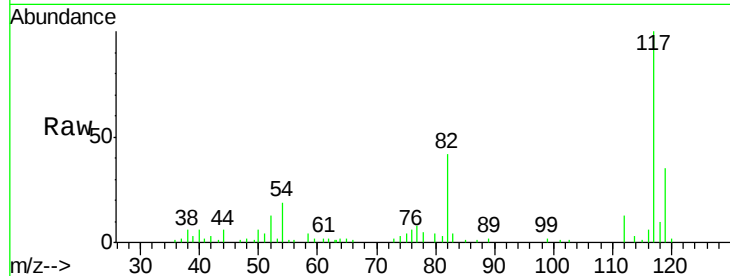
Z5TB07-180611

Tot Ion:112 Resp: 1387

Ion Ratio Lower Upper

112 100

114 23.4 25.3 37.9#

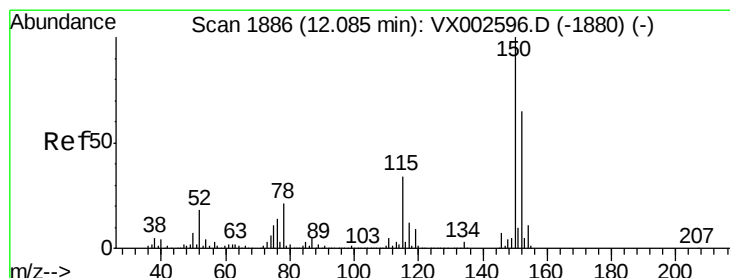
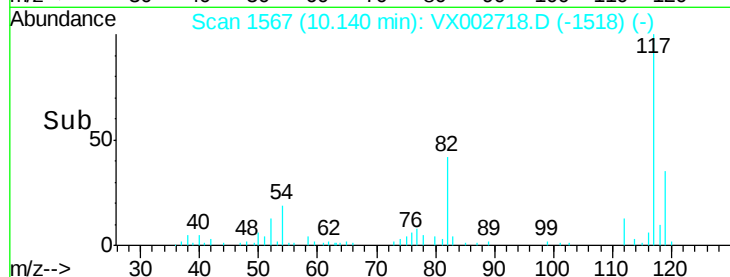


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

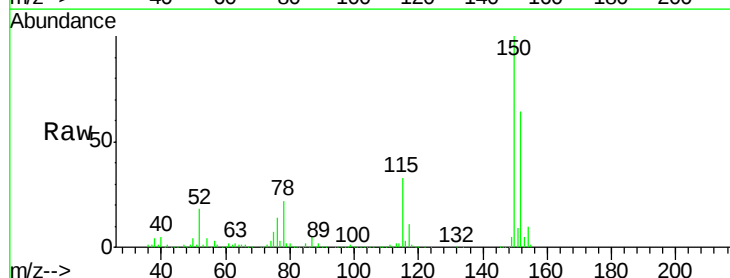
Tgt Ion:152 Resp: 152210

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

150 155.2 0.0 347.2



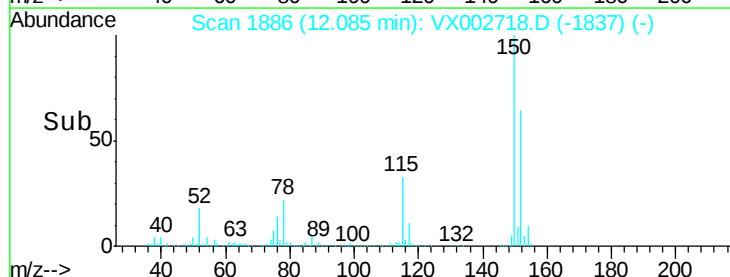
Abundance Ion 151.90 (151.60 to 152.60): V

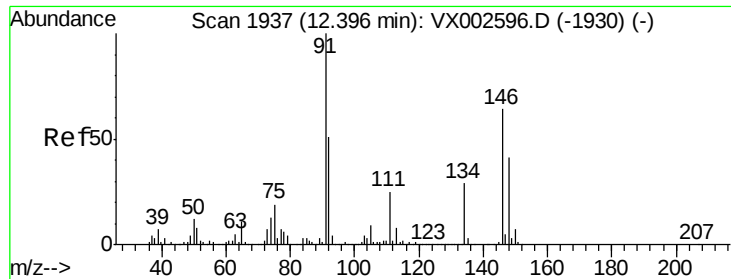
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.08

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.62 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

Z5TB07-180611

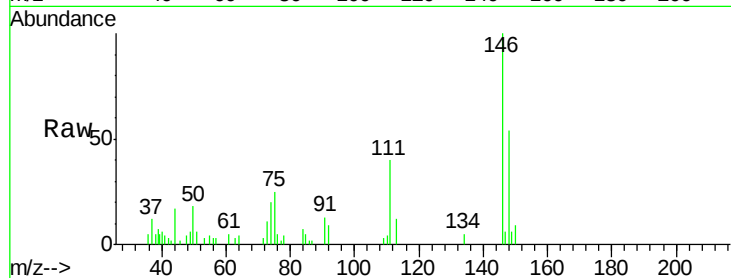
Tot Ion:146 Resp: 3264

Ion Ratio Lower Upper

146 100

111 41.2 19.4 58.1

148 65.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

