

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\  
 Data File : VX004066.D  
 Acq On : 15 Aug 2018 08:45  
 Operator : JC/MD  
 Sample : J4439-17  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB7-SRI3

Quant Time: Aug 15 16:00:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 13:27:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 259601   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 406942   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 388051   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 207016   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 195229   | 53.38 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.76% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 158856   | 52.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.32% |          |
| 50) Toluene-d8              | 8.72  | 98   | 582884   | 47.20 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.40%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 193314   | 43.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.32%  |          |

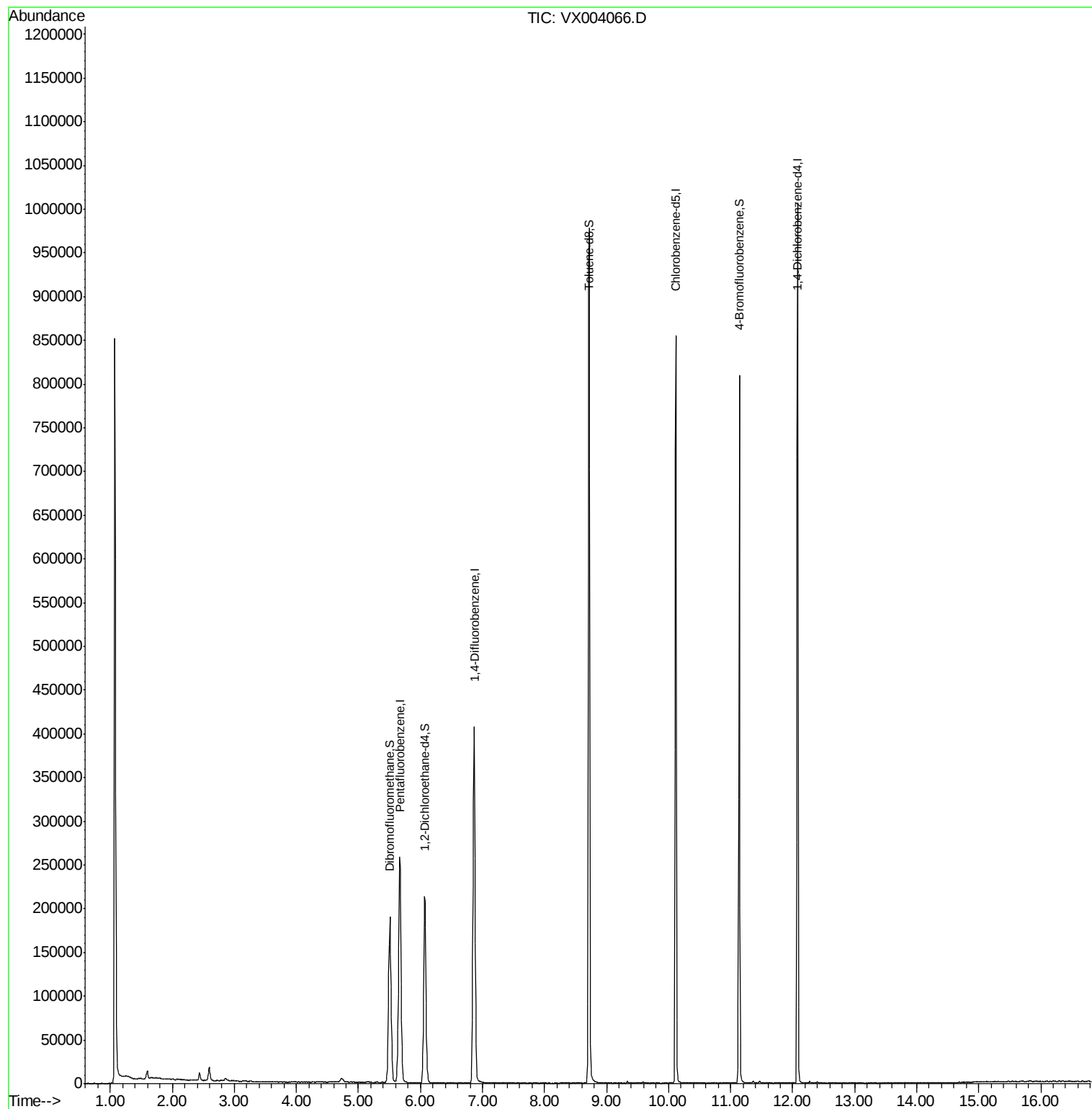
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : SW846 8260  
QLast Update : Tue Aug 14 13:27:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004066.D

Acq: 15 Aug 2018 08:45

Instrument :

MSVOA\_X

ClientSampleId :

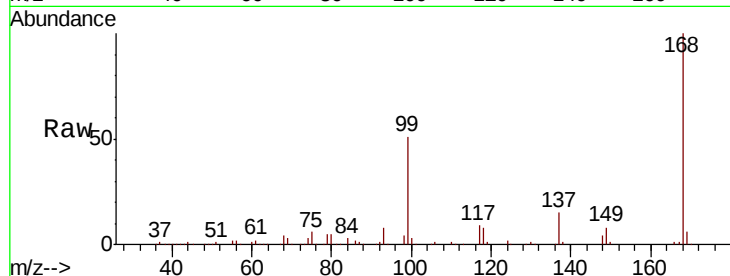
RB7-SRI3

Tot Ion:168 Resp: 259601

Ion Ratio Lower Upper

168 100

99 51.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

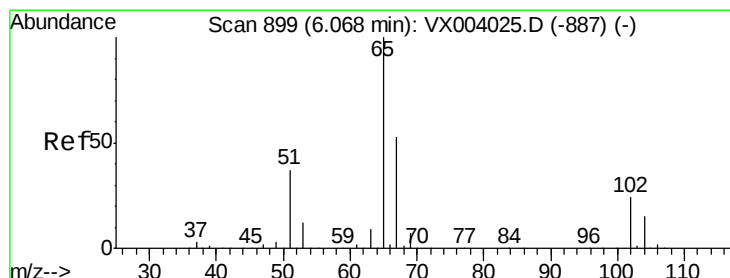
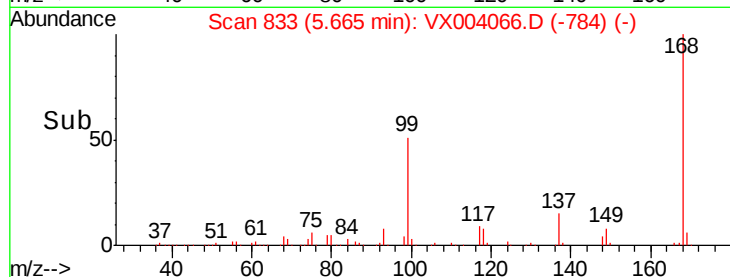
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 53.38 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004066.D

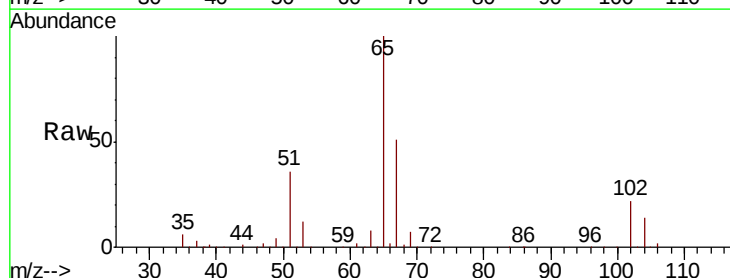
Acq: 15 Aug 2018 08:45

Tgt Ion: 65 Resp: 195229

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

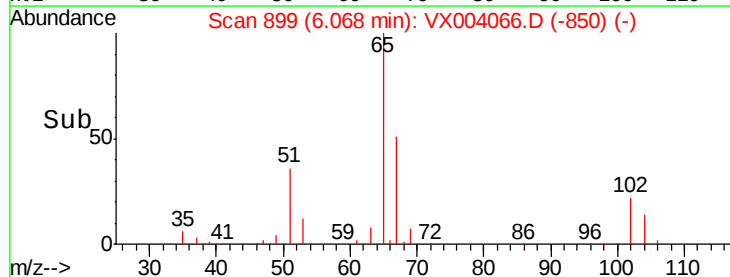
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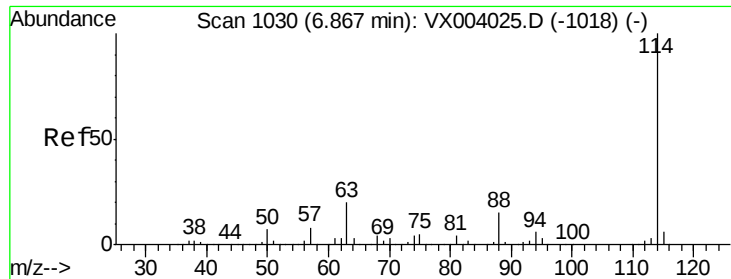
40000

20000

0

Time--> 5.90 6.00 6.10 6.20

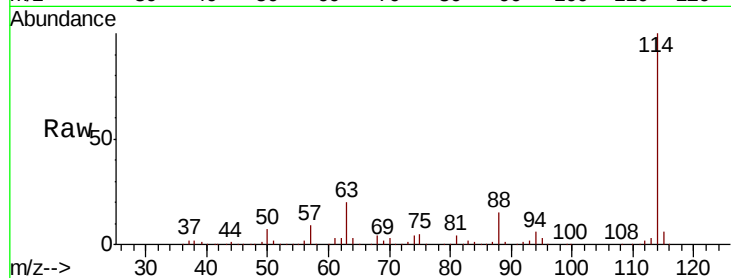




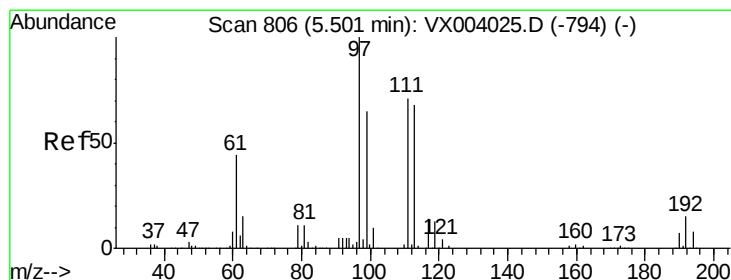
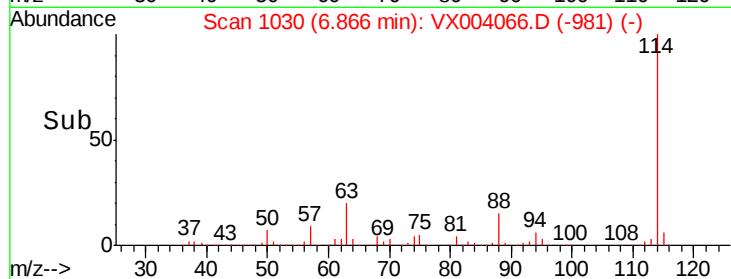
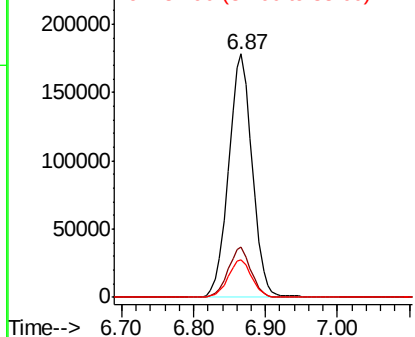
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX004066.D  
 Acq: 15 Aug 2018 08:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB7-SRI3

Tot Ion:114 Resp: 406942  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 39.0  
 88 15.4 0.0 32.0

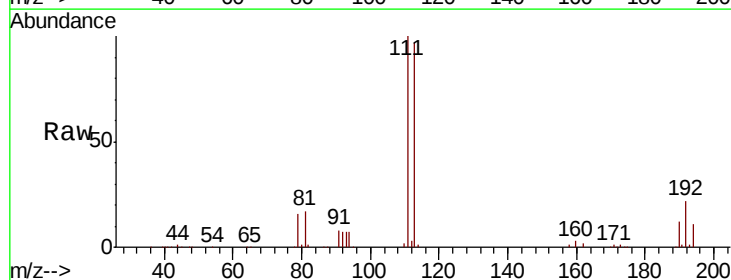


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

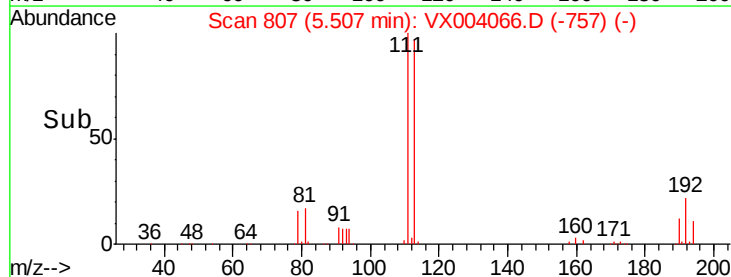
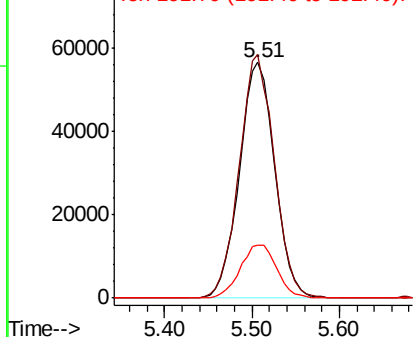


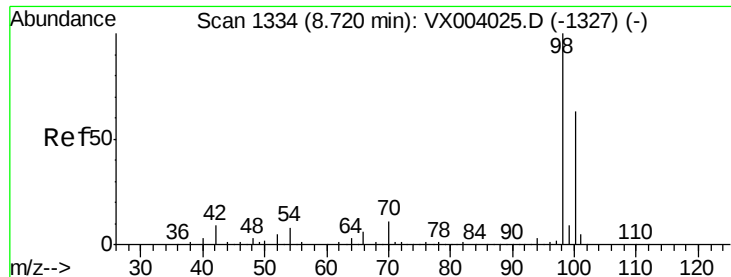
#35  
 Dibromofluoromethane  
 Concen: 52.16 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.01 min  
 Lab File: VX004066.D  
 Acq: 15 Aug 2018 08:45

Tgt Ion:113 Resp: 158856  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 82.0 123.0  
 192 23.3 19.0 28.4



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: 47.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004066.D

Acq: 15 Aug 2018 08:45

Instrument :

MSVOA\_X

ClientSampleId :

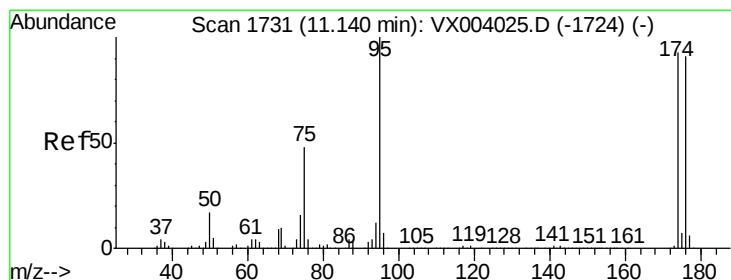
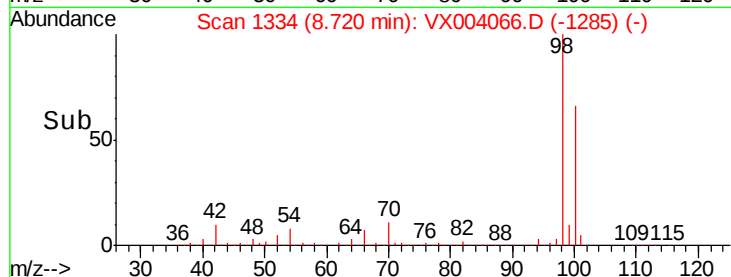
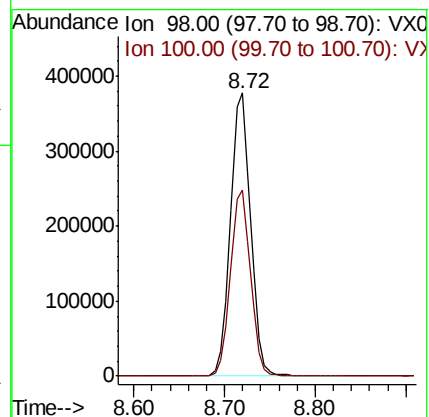
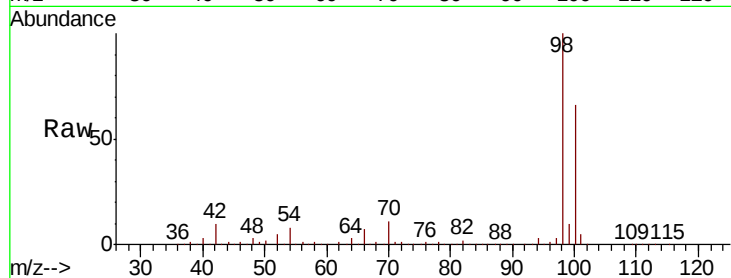
RB7-SRI3

Tot Ion: 98 Resp: 582884

Ion Ratio Lower Upper

98 100

100 65.4 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 43.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004066.D

Acq: 15 Aug 2018 08:45

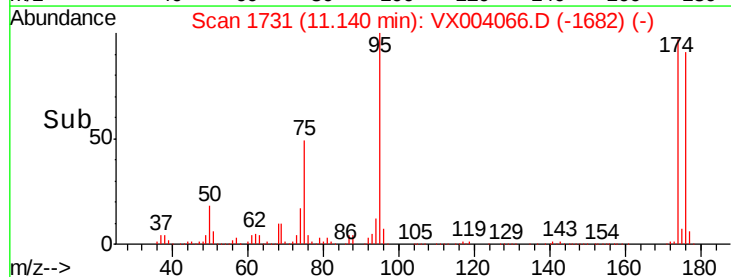
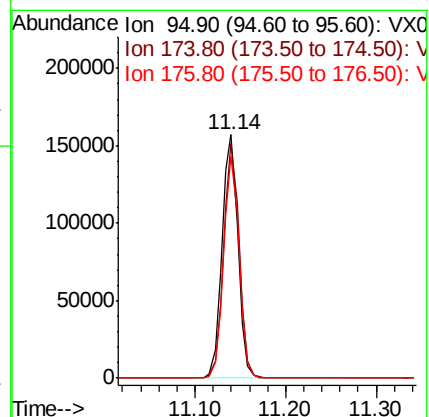
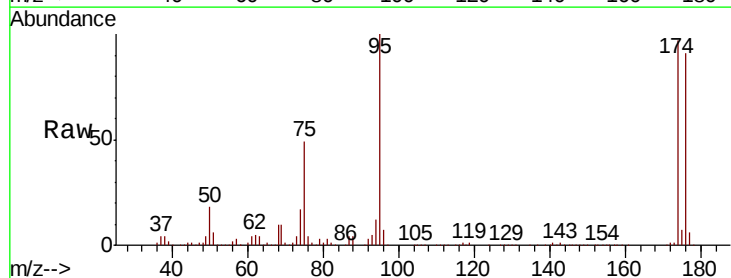
Tgt Ion: 95 Resp: 193314

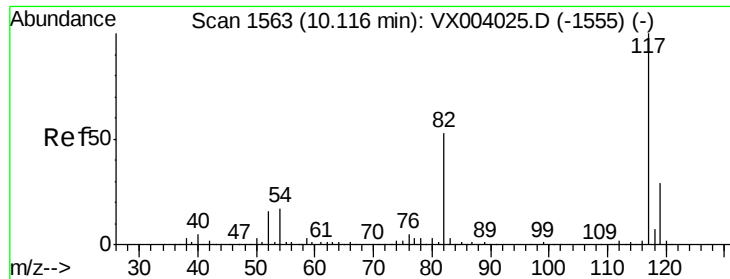
Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

176 89.0 0.0 179.0

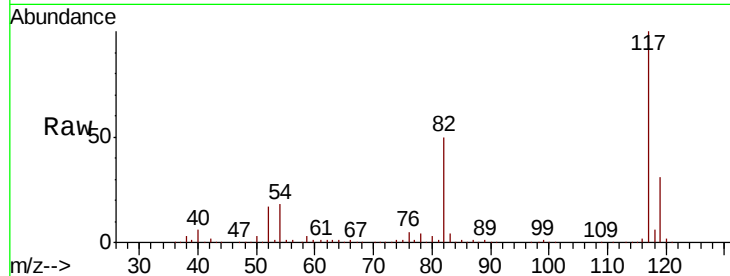




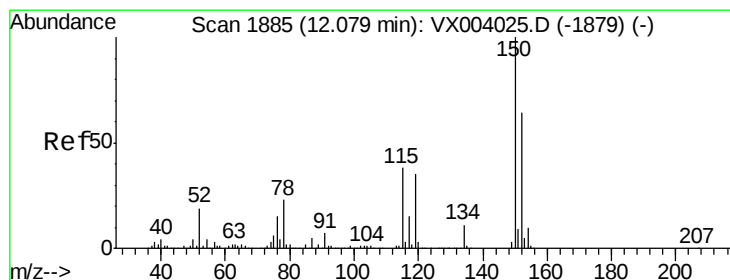
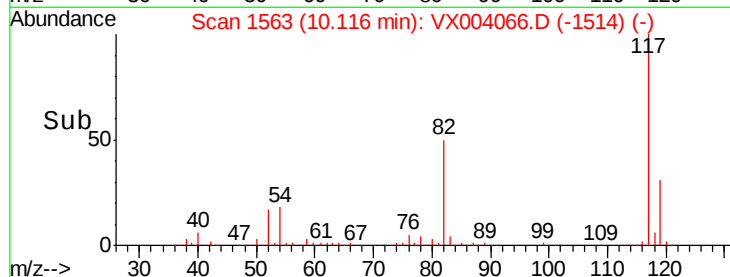
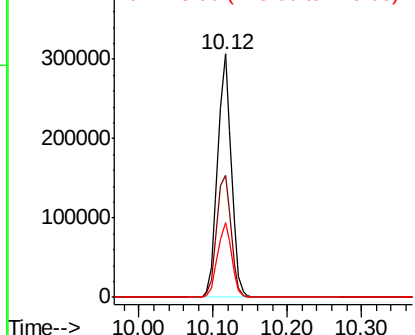
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004066.D  
Acq: 15 Aug 2018 08:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
RB7-SRI3

Tot Ion:117 Resp: 388051  
Ion Ratio Lower Upper  
117 100  
82 50.0 45.4 68.0  
119 30.7 26.6 40.0

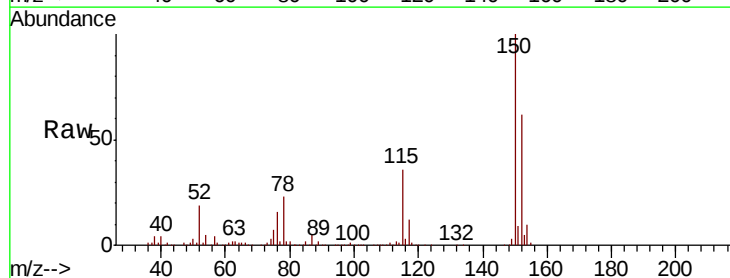


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX004066.D  
Acq: 15 Aug 2018 08:45

Tgt Ion:152 Resp: 207016  
Ion Ratio Lower Upper  
152 100  
115 55.3 39.1 117.3  
150 158.4 0.0 349.2



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

