

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\  
 Data File : VX004870.D  
 Acq On : 01 Oct 2018 15:01  
 Operator : JC/MD  
 Sample : J5135-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW501-3438

Quant Time: Oct 04 10:01:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 214465   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 345007   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 341029   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 186144   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 167596   | 54.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.40% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 142255   | 48.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.30%  |      |
| 50) Toluene-d8              | 8.72   | 98  | 510346   | 52.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.00% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 178958   | 51.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.20% |      |

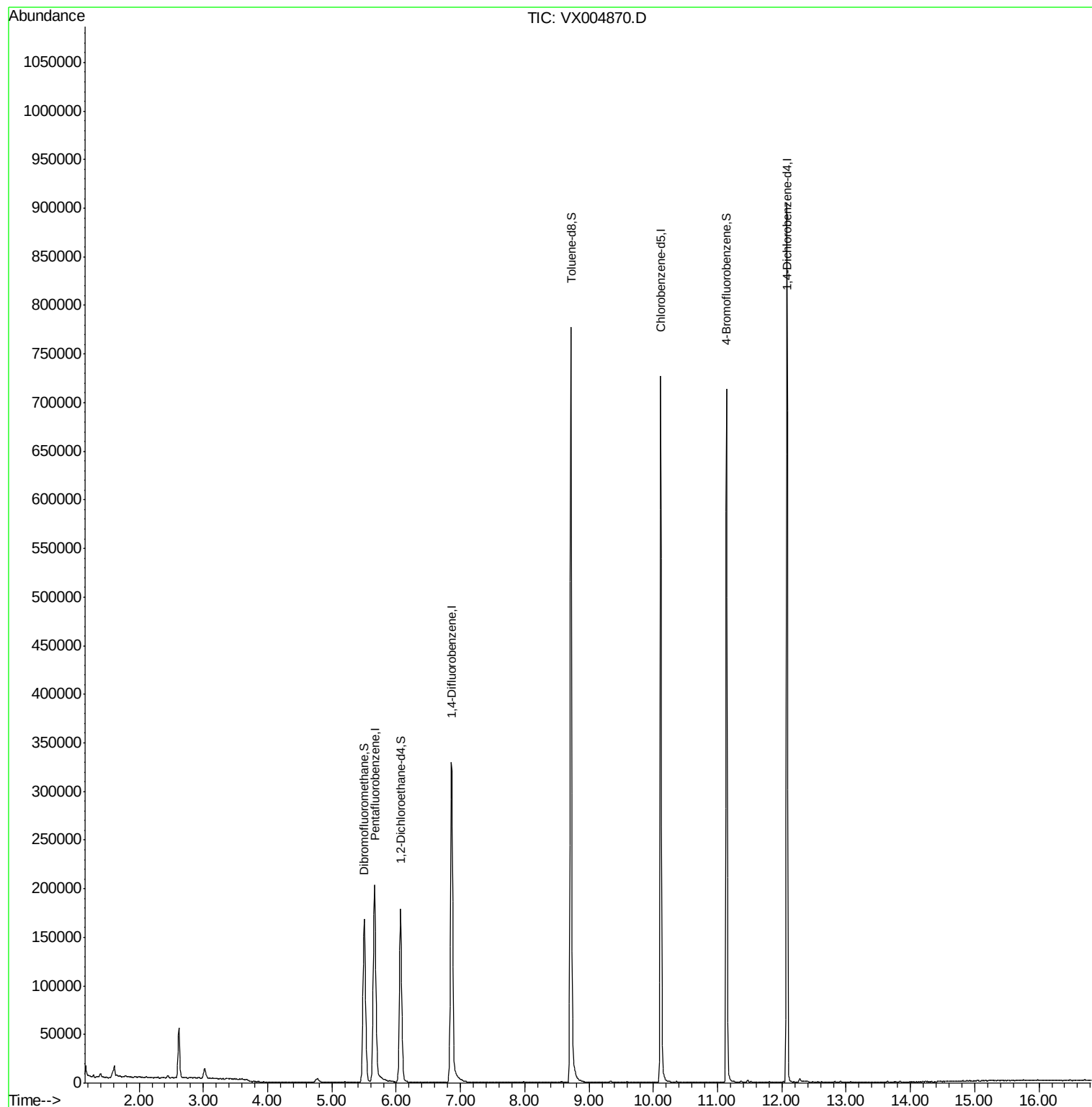
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

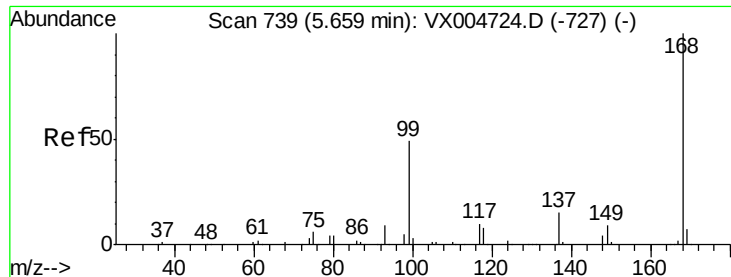
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 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: VX004870.D

Acq: 01 Oct 2018 15:01

Instrument :

MSVOA\_X

ClientSampleId :

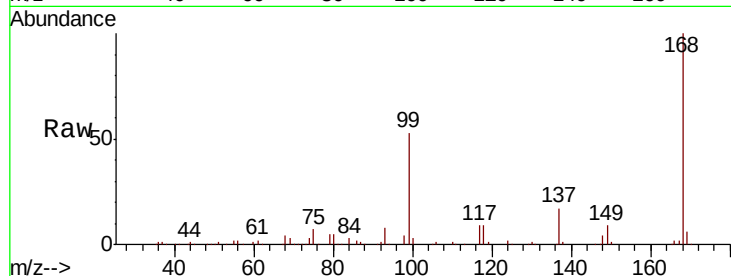
SA-TW501-3438

Tot Ion:168 Resp: 214465

Ion Ratio Lower Upper

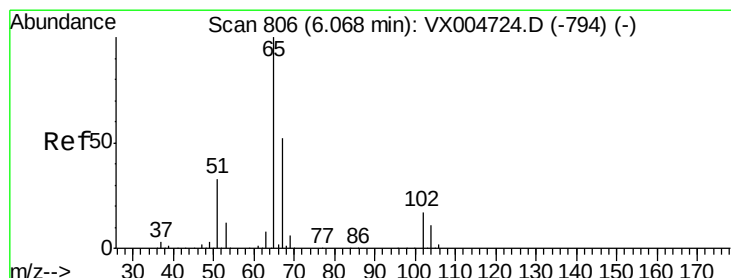
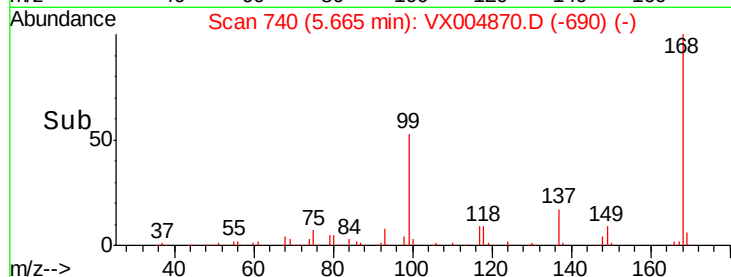
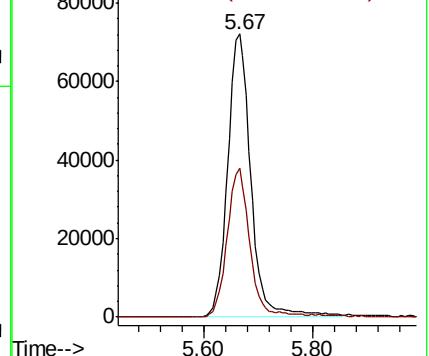
168 100

99 52.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.705 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004870.D

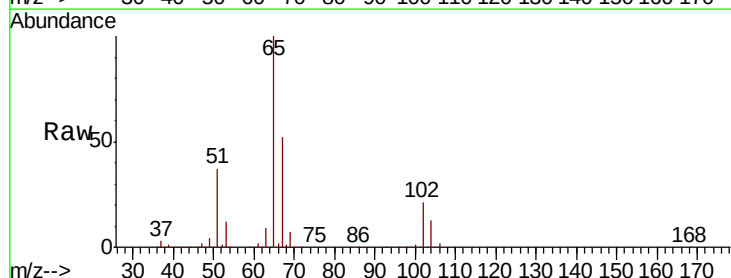
Acq: 01 Oct 2018 15:01

Tgt Ion: 65 Resp: 167596

Ion Ratio Lower Upper

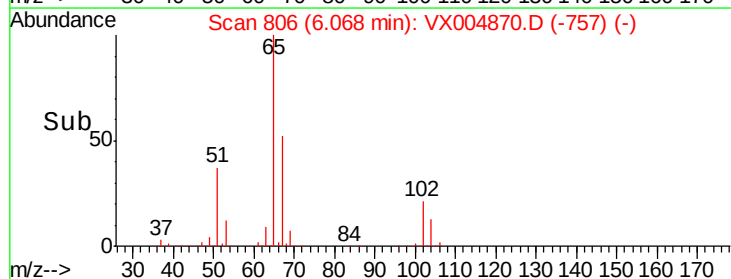
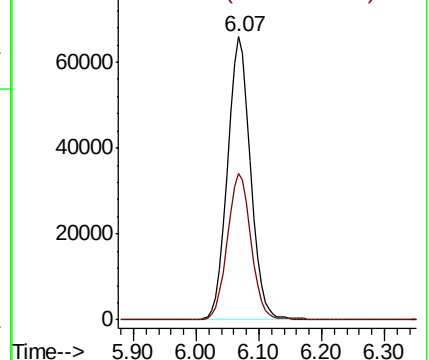
65 100

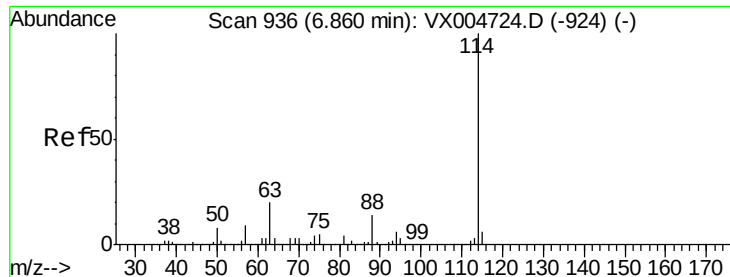
67 53.2 0.0 106.8



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: VX004870.D

Acq: 01 Oct 2018 15:01

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW501-3438

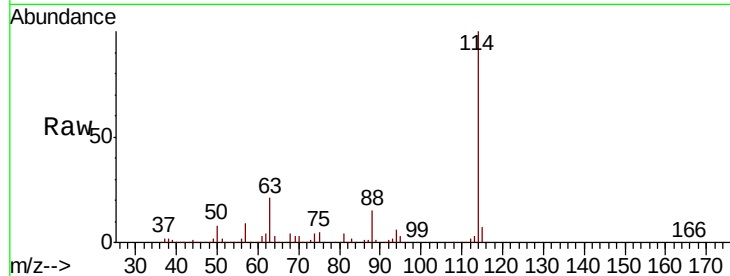
Tot Ion:114 Resp: 345007

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

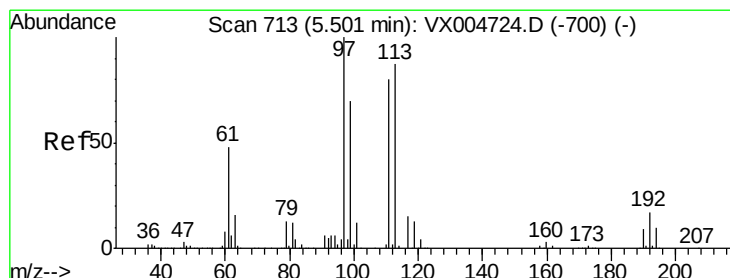
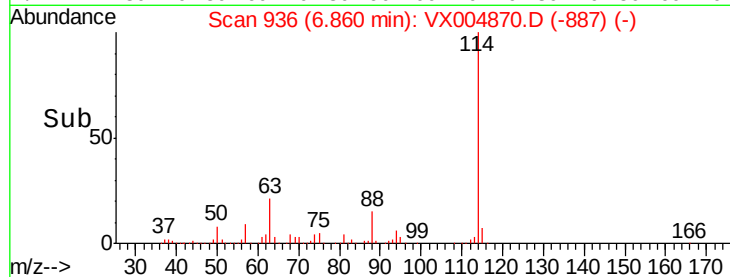
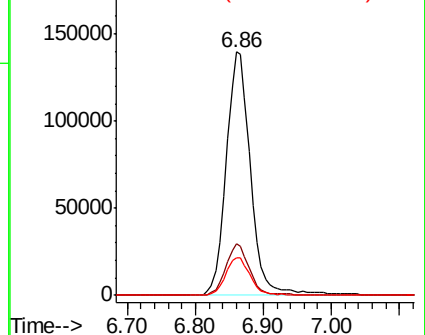
88 15.5 0.0 30.4



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: 48.651 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004870.D

Acq: 01 Oct 2018 15:01

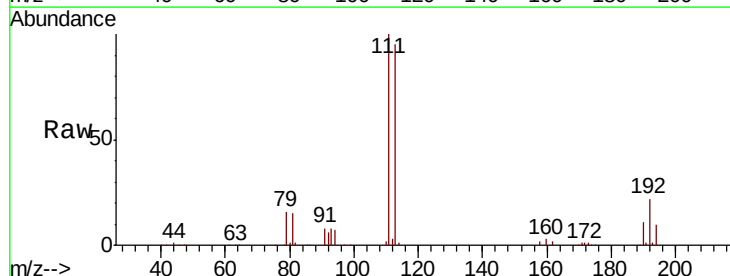
Tgt Ion:113 Resp: 142255

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

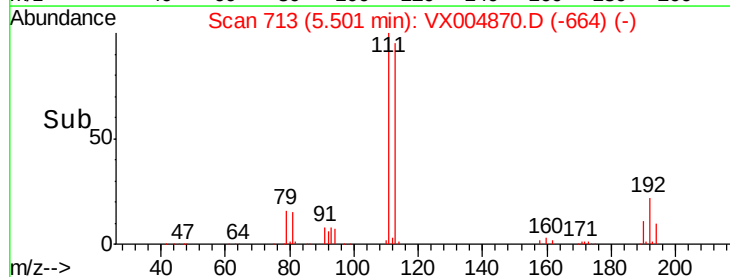
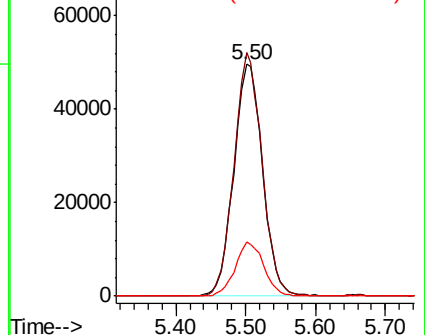
192 22.9 19.4 29.2

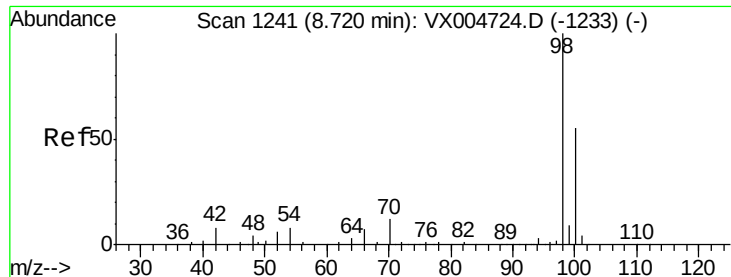


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

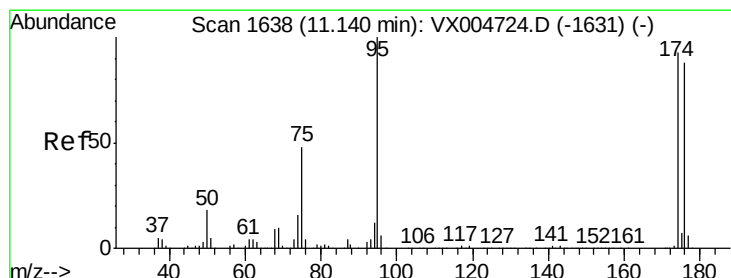
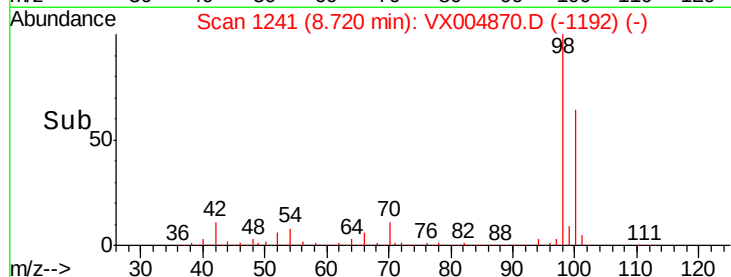
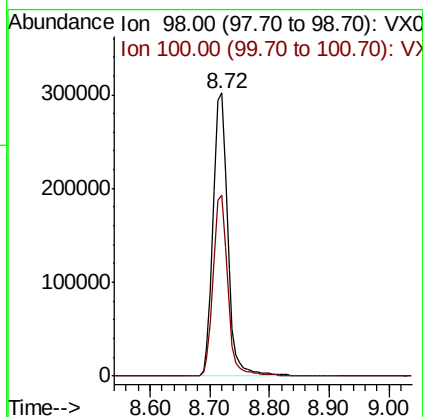
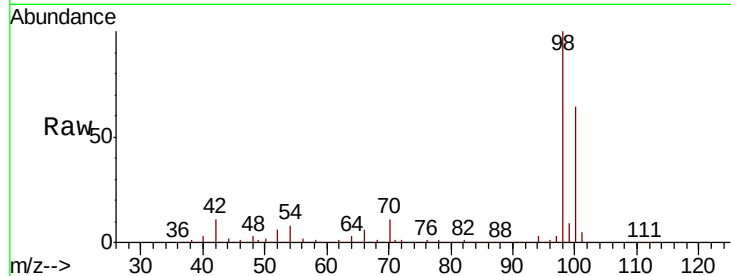




#50  
Toluene-d8  
Concen: 52.501 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX004870.D  
Acq: 01 Oct 2018 15:01

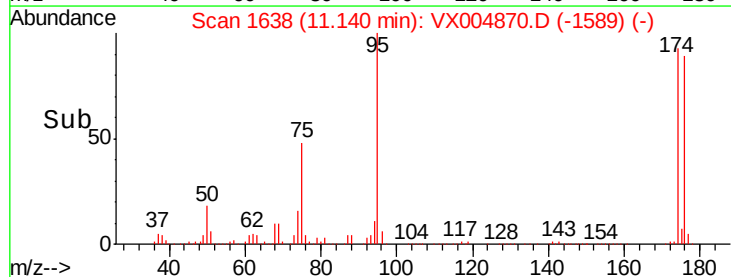
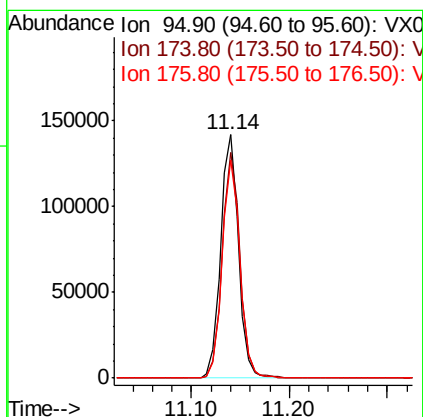
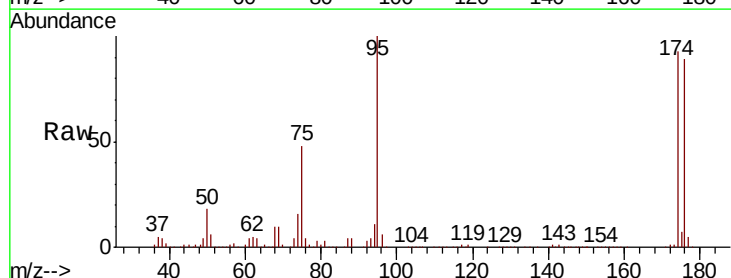
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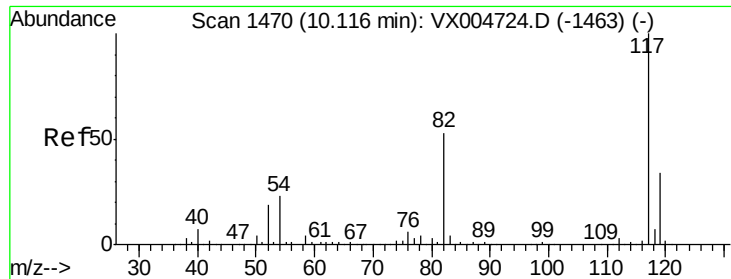
Tot Ion: 98 Resp: 510346  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 51.102 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX004870.D  
Acq: 01 Oct 2018 15:01

Tgt Ion: 95 Resp: 178958  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 185.2  
176 89.4 0.0 178.6

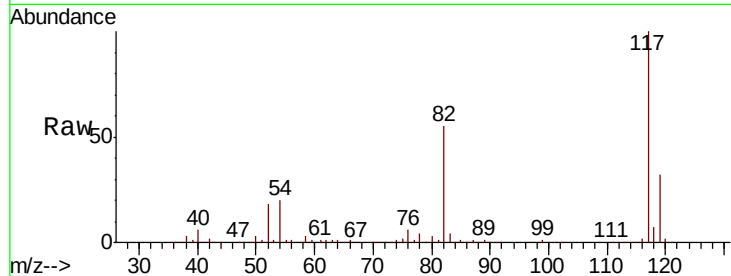




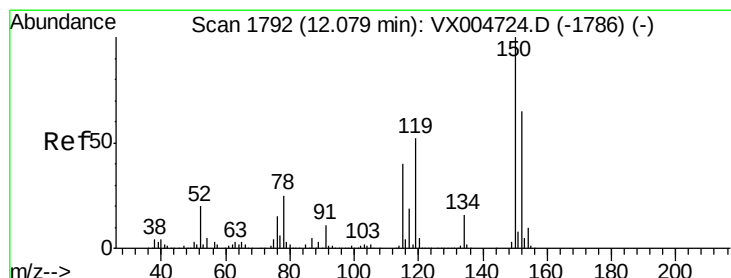
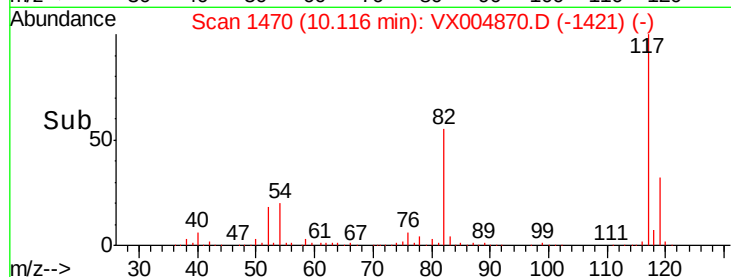
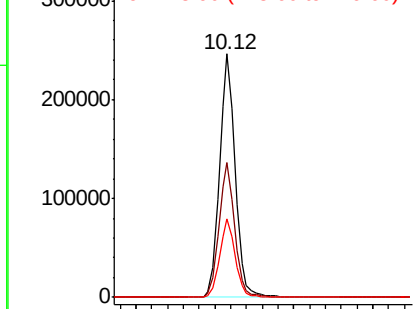
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004870.D  
Acq: 01 Oct 2018 15:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW501-3438

Tot Ion:117 Resp: 341029  
Ion Ratio Lower Upper  
117 100  
82 55.3 47.8 71.6  
119 32.1 29.3 43.9

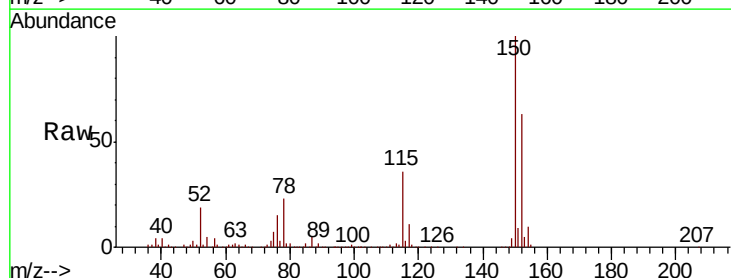


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004870.D  
Acq: 01 Oct 2018 15:01

Tgt Ion:152 Resp: 186144  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.0 117.0  
150 157.9 0.0 351.0



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

