

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
 Data File : VX004814.D  
 Acq On : 28 Sep 2018 11:56  
 Operator : JC/MD  
 Sample : VX0928MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBL01

Quant Time: Sep 29 06:36:49 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      | 5.66  | 168  | 225650   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 365591   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 357221   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 202166   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 175468   | 54.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.88% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 145555   | 46.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.96%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 528633   | 51.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.64% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 192795   | 51.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.90% |      |

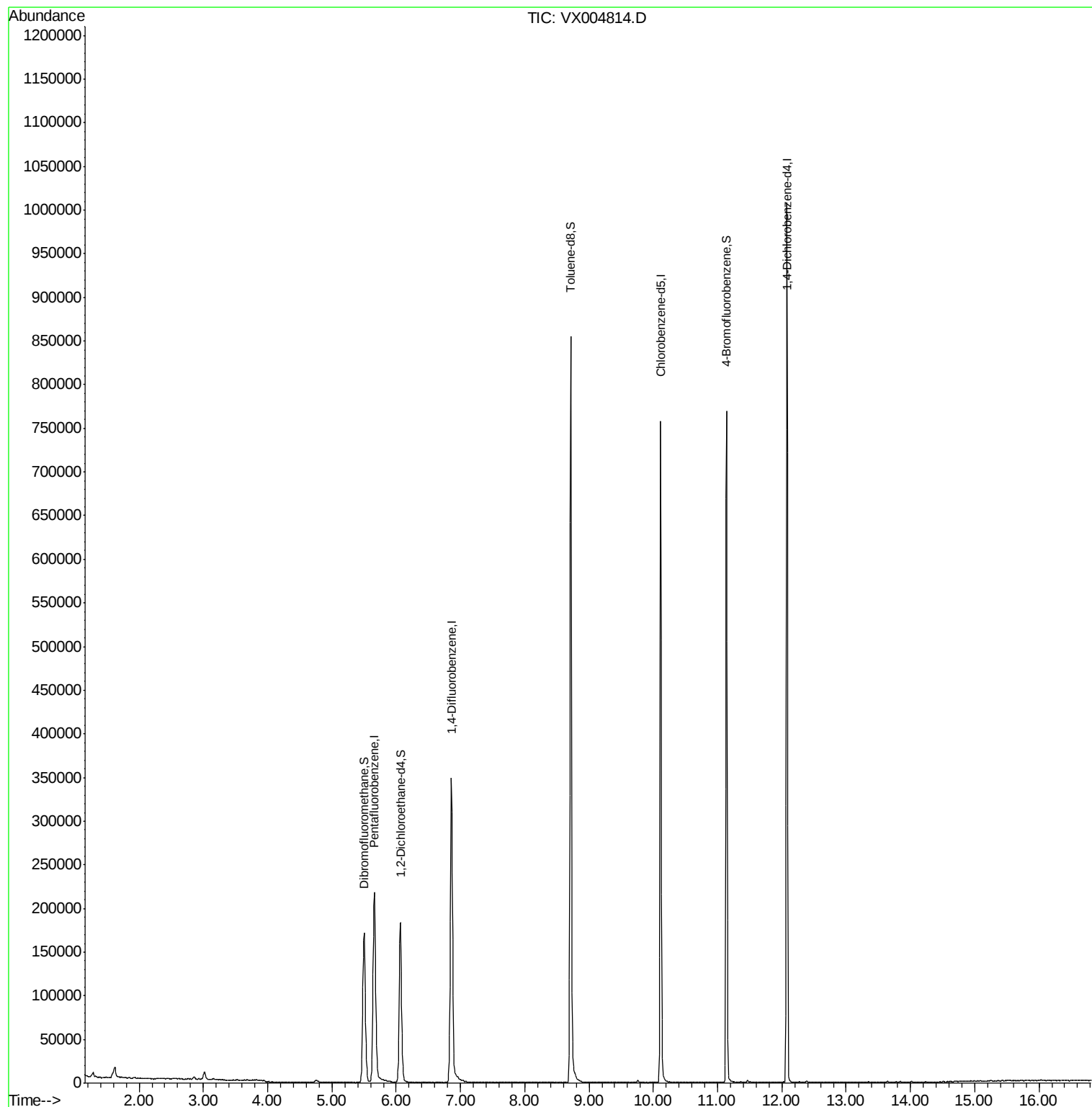
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004814.D

Acq: 28 Sep 2018 11:56

Instrument :

MSVOA\_X

ClientSampleId :

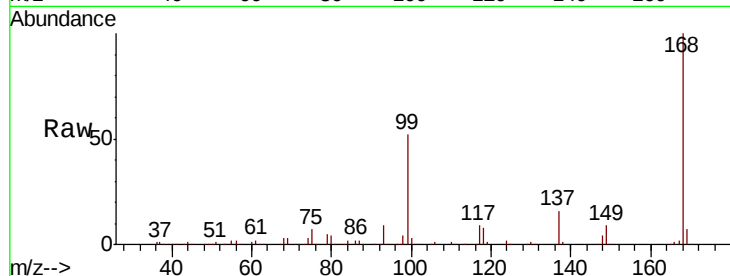
VX0928MBL01

Tot Ion:168 Resp: 225650

Ion Ratio Lower Upper

168 100

99 52.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

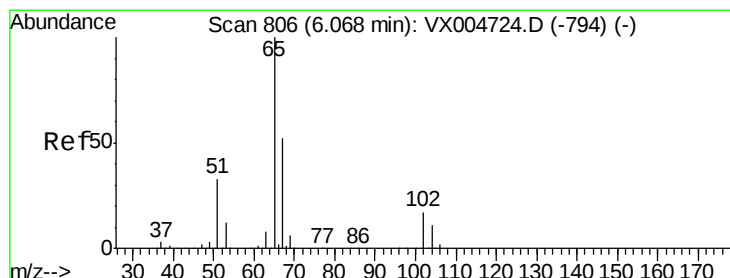
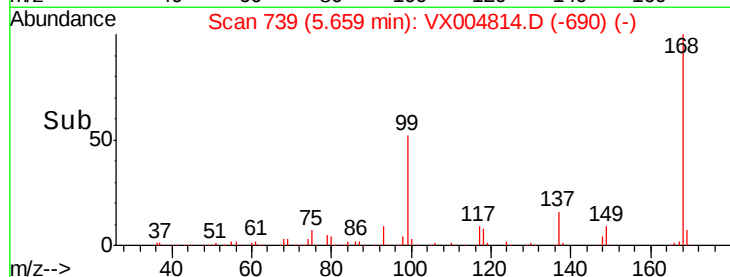
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 54.435 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004814.D

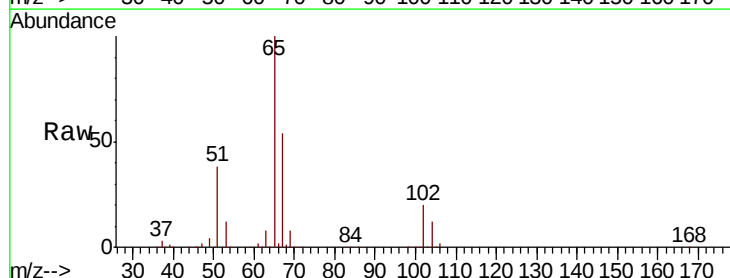
Acq: 28 Sep 2018 11:56

Tgt Ion: 65 Resp: 175468

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

60000

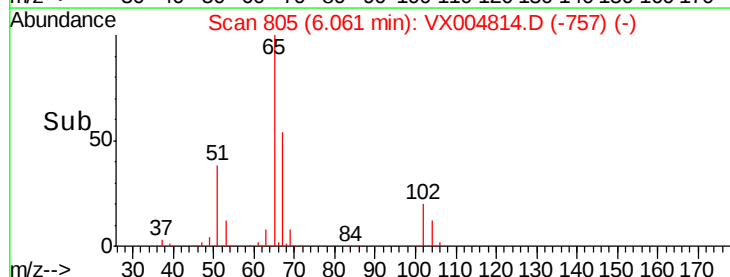
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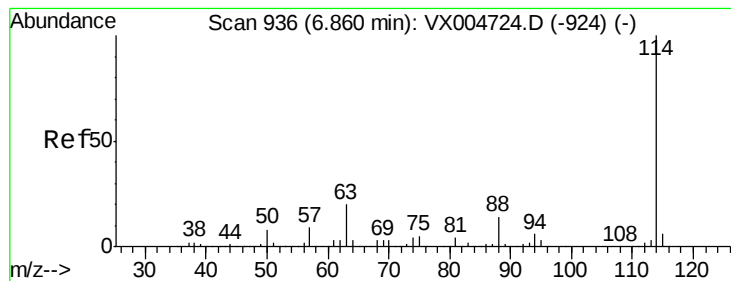
20000

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: VX004814.D

Acq: 28 Sep 2018 11:56

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBL01

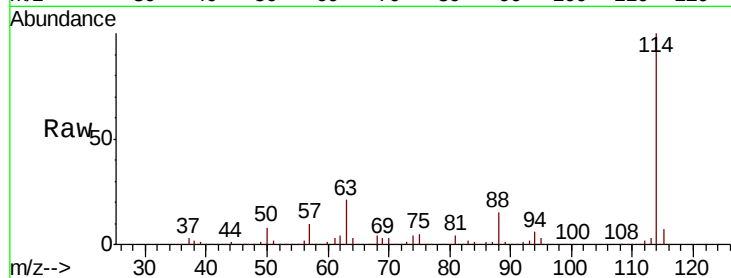
Tot Ion:114 Resp: 365591

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

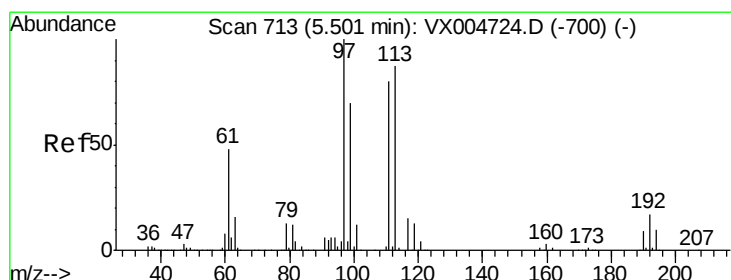
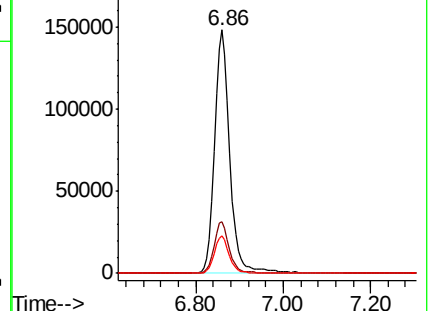
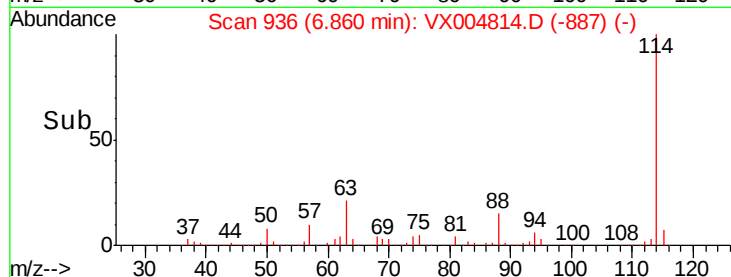
88 15.5 0.0 30.4



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: 46.977 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004814.D

Acq: 28 Sep 2018 11:56

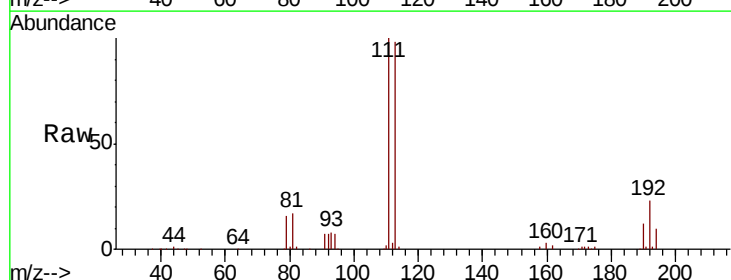
Tgt Ion:113 Resp: 145555

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

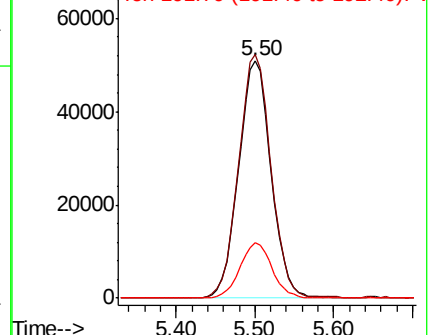
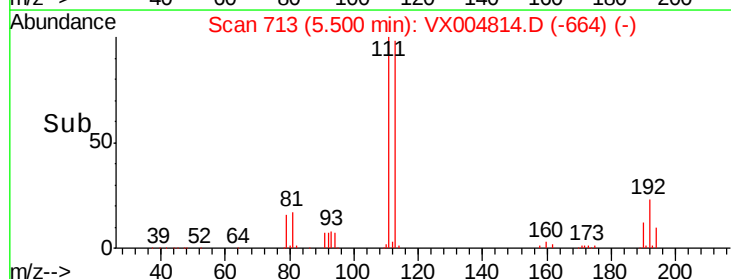
192 23.2 19.4 29.2

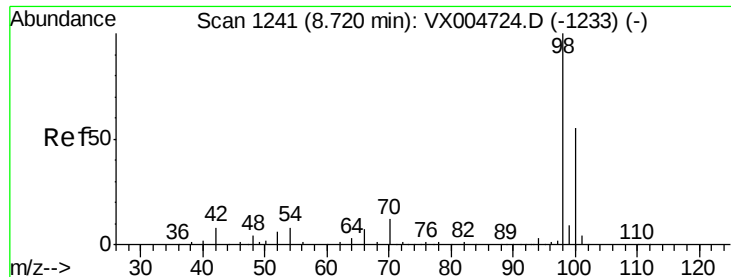


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

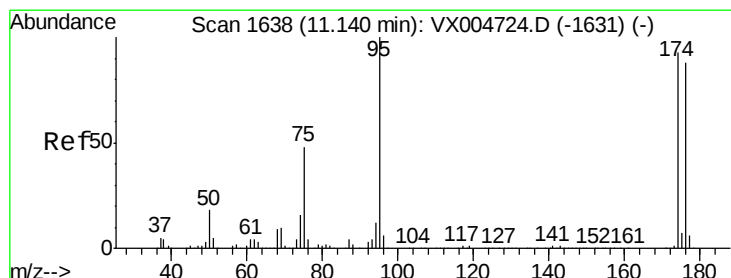
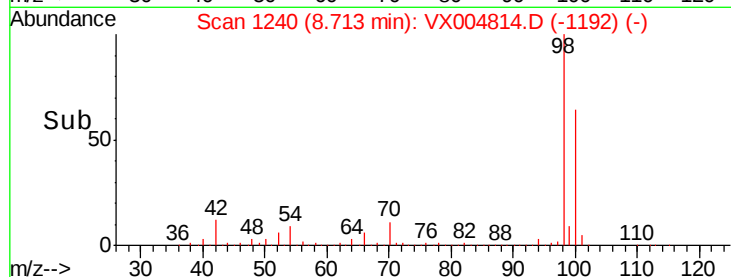
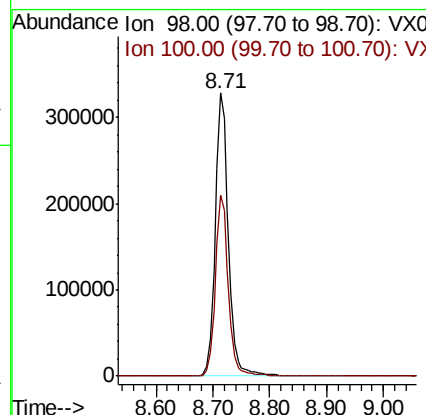
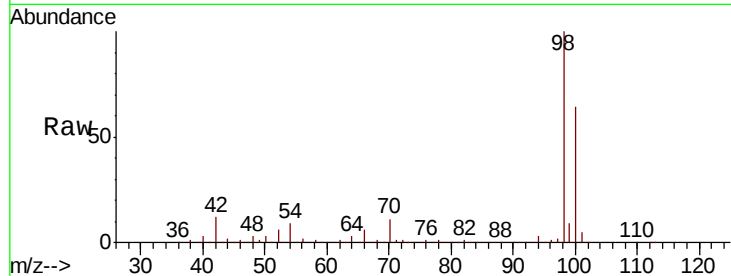




#50  
Toluene-d8  
Concen: 51.320 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: VX004814.D  
Acq: 28 Sep 2018 11:56

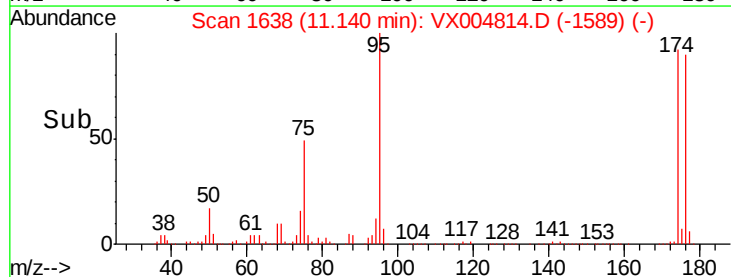
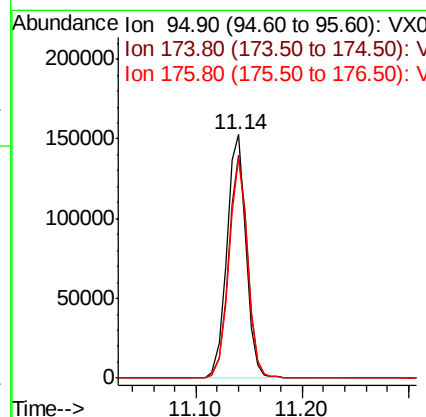
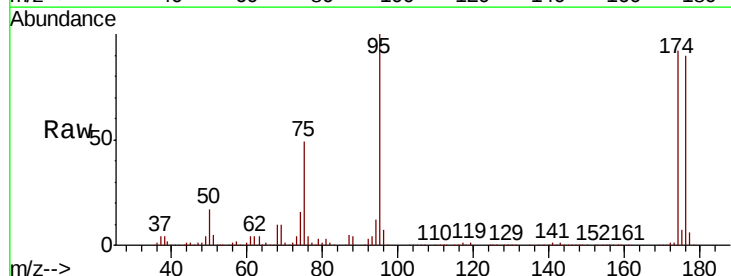
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBL01

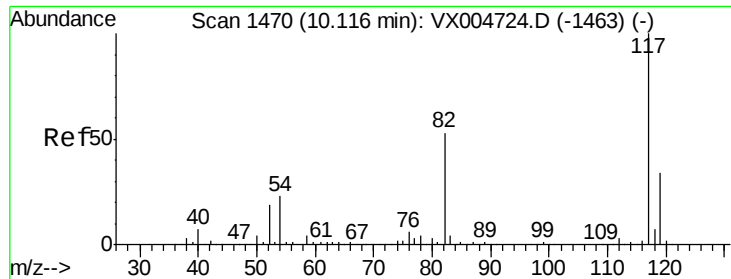
Tot Ion: 98 Resp: 528633  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 51.954 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX004814.D  
Acq: 28 Sep 2018 11:56

Tgt Ion: 95 Resp: 192795  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 185.2  
176 87.7 0.0 178.6

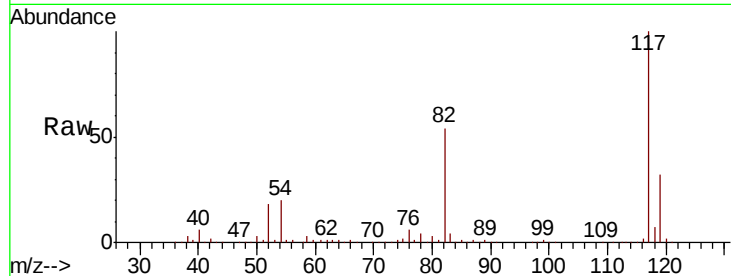




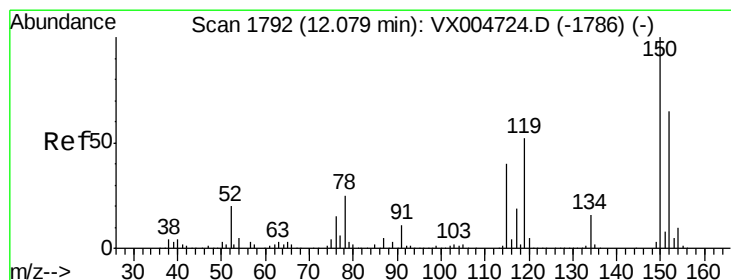
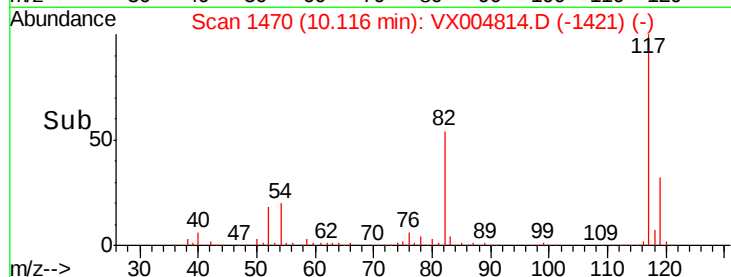
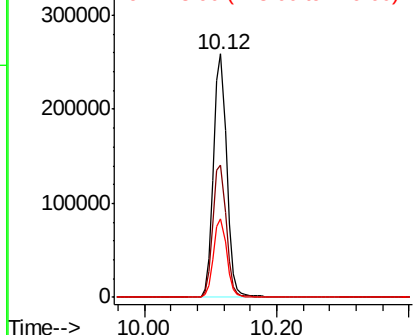
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004814.D  
Acq: 28 Sep 2018 11:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBL01

Tot Ion:117 Resp: 357221  
Ion Ratio Lower Upper  
117 100  
82 54.2 47.8 71.6  
119 32.1 29.3 43.9

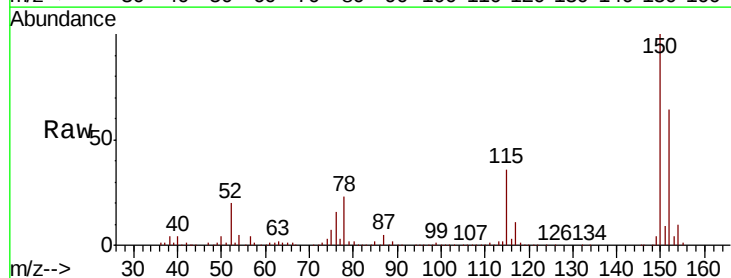


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004814.D  
Acq: 28 Sep 2018 11:56

Tgt Ion:152 Resp: 202166  
Ion Ratio Lower Upper  
152 100  
115 55.5 39.0 117.0  
150 156.6 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

