

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072518\  
 Data File : VX003652.D  
 Acq On : 25 Jul 2018 11:39  
 Operator : JC/SP  
 Sample : VX0725MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0725MBL01

Quant Time: Jul 26 01:32:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 04:33:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 132025   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 203089   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 189350   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 123308   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 88180    | 45.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.18% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 72140    | 43.45 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.90% |      |
| 50) Toluene-d8              | 8.72   | 98  | 293914   | 46.39 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.78% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 106802   | 46.22 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.44% |      |

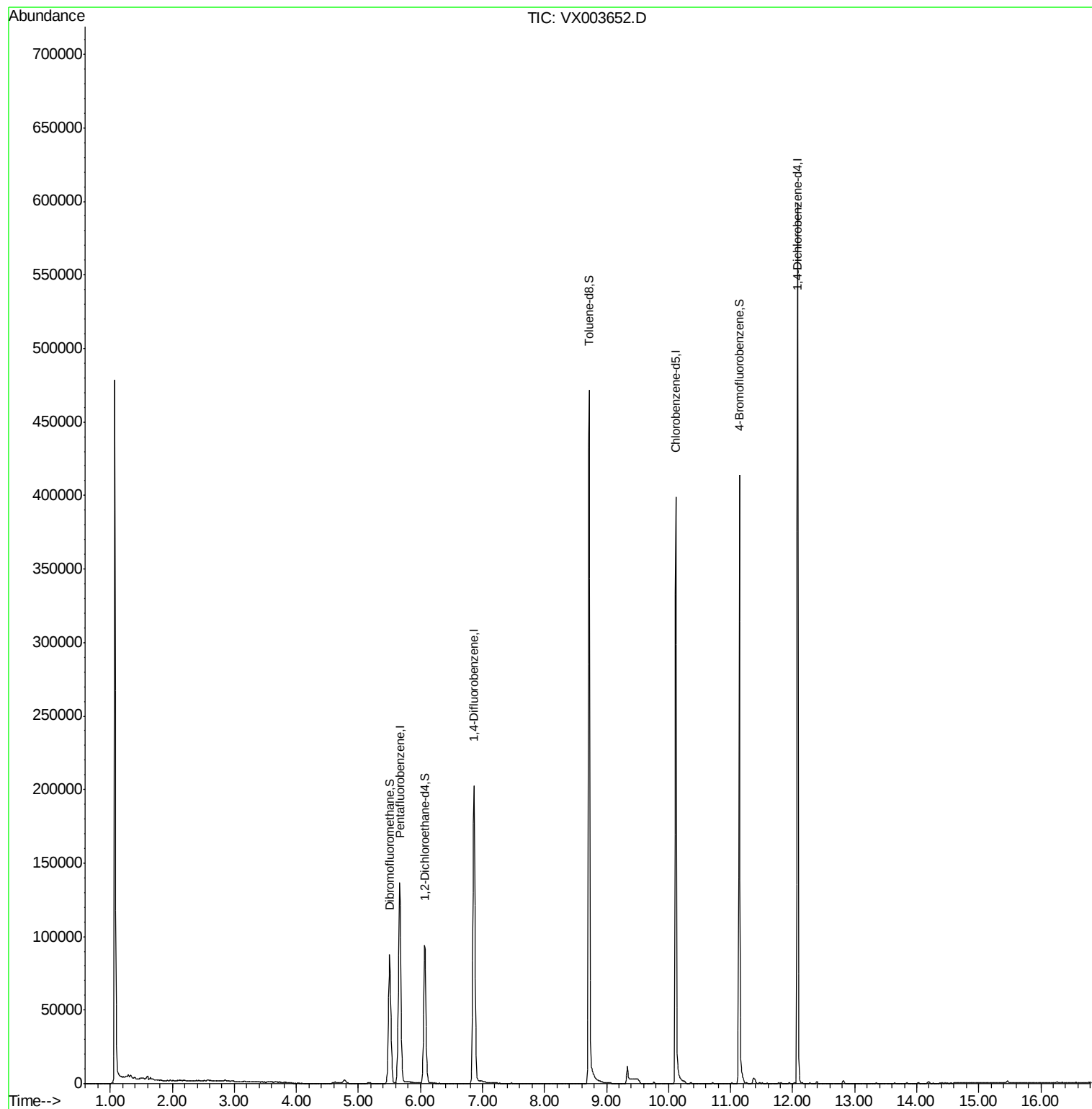
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : SW846 8260  
QLast Update : Wed Jul 25 04:33:52 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: VX003652.D

Acq: 25 Jul 2018 11:39

Instrument :

MSVOA\_X

ClientSampleId :

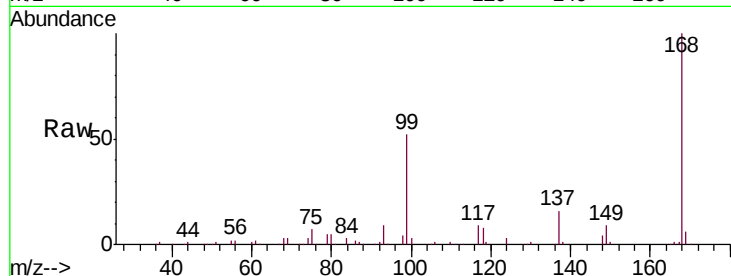
VX0725MBL01

Tot Ion:168 Resp: 132025

Ion Ratio Lower Upper

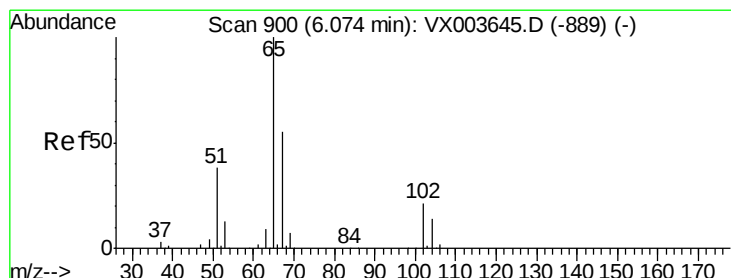
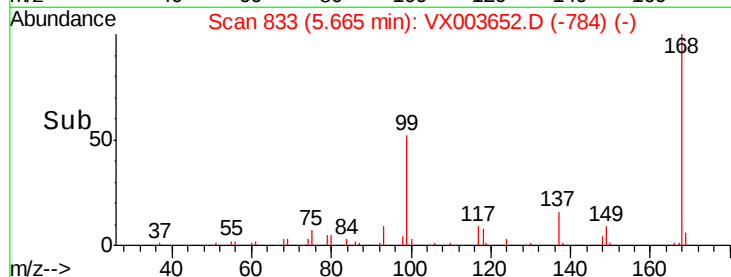
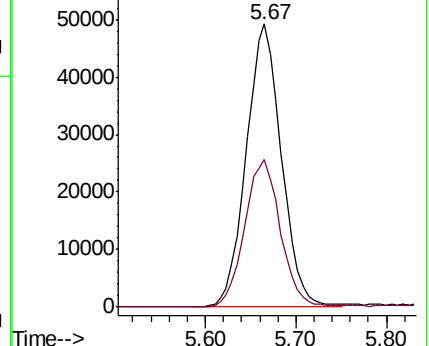
168 100

99 52.1 49.5 74.3



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: 45.09 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003652.D

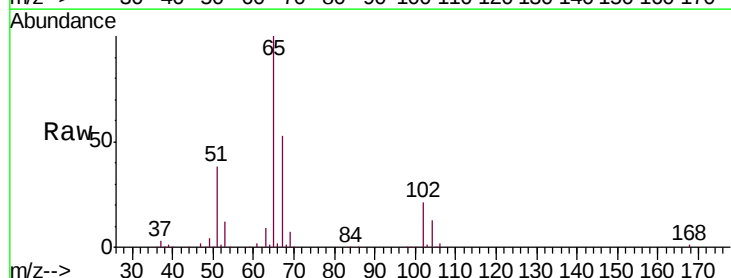
Acq: 25 Jul 2018 11:39

Tgt Ion: 65 Resp: 88180

Ion Ratio Lower Upper

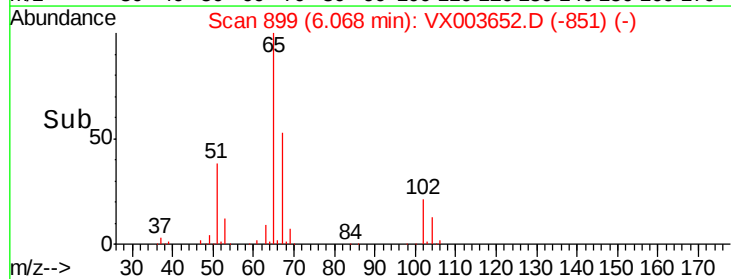
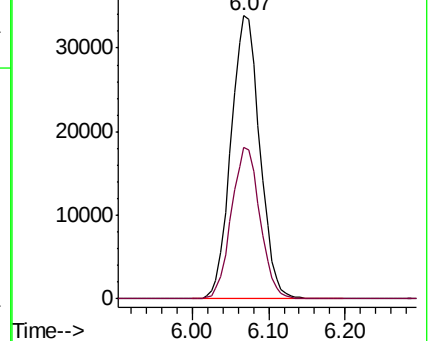
65 100

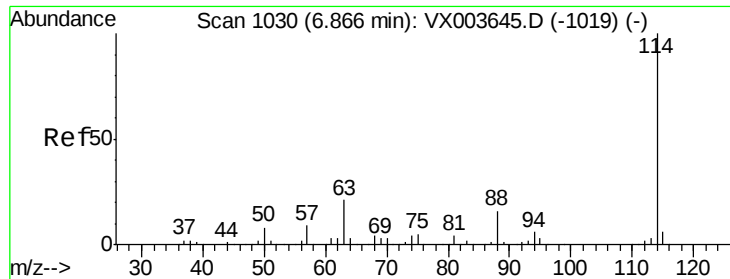
67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

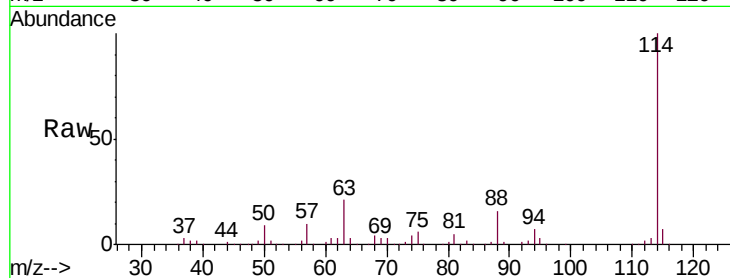




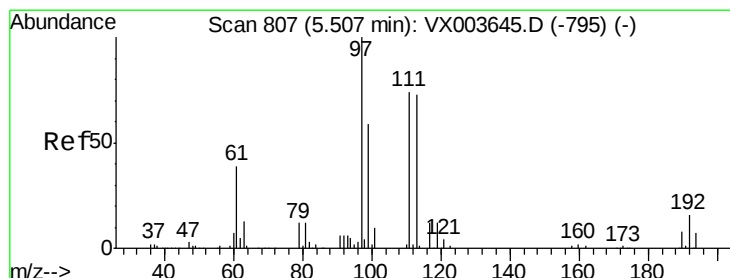
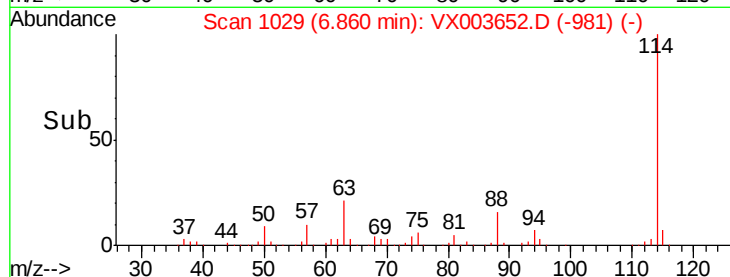
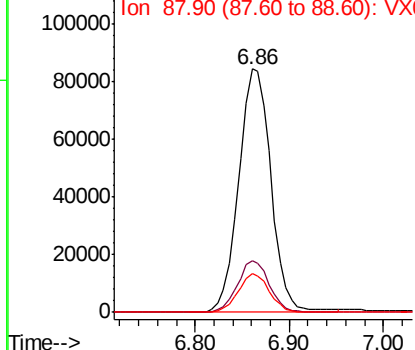
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.86 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: VX003652.D  
Acq: 25 Jul 2018 11:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

Tot Ion:114 Resp: 203089  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 41.0  
88 15.8 0.0 31.8

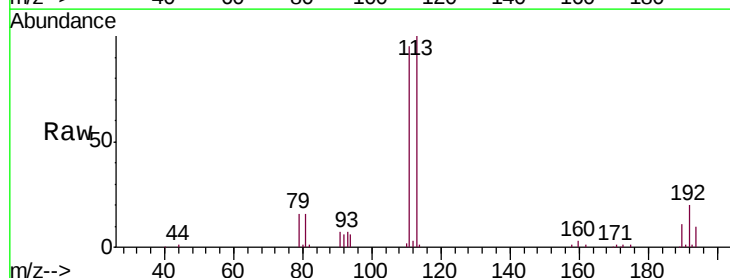


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

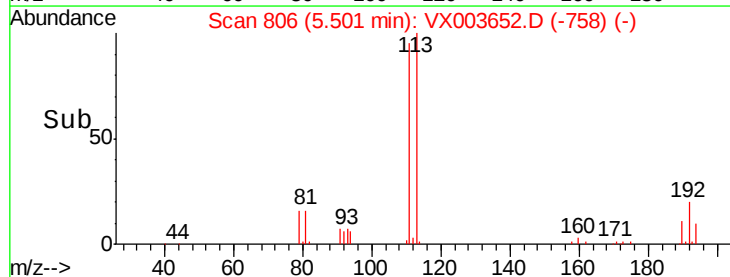
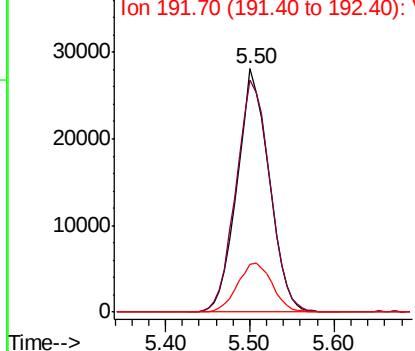


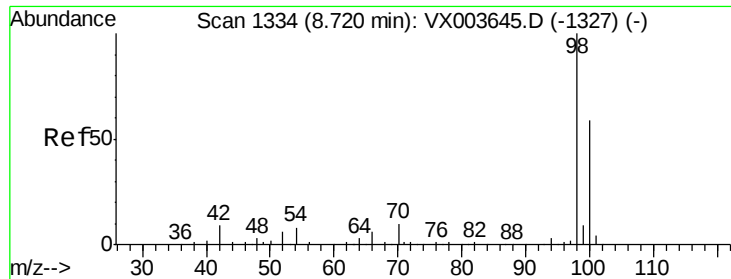
#35  
Dibromofluoromethane  
Concen: 43.45 ug/l  
RT: 5.50 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: VX003652.D  
Acq: 25 Jul 2018 11:39

Tgt Ion:113 Resp: 72140  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.2 121.8  
192 22.1 18.2 27.4



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

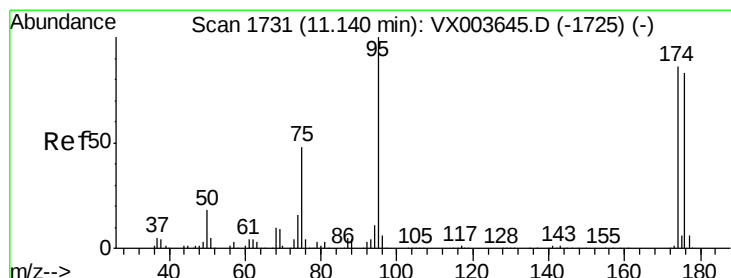
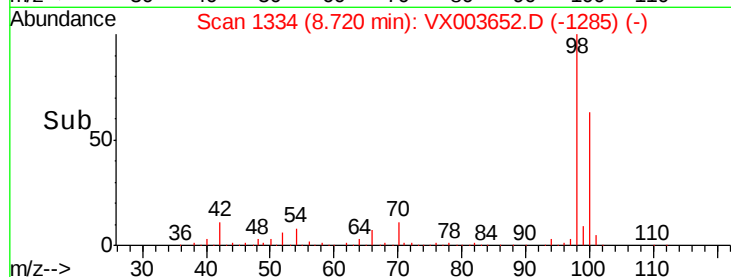
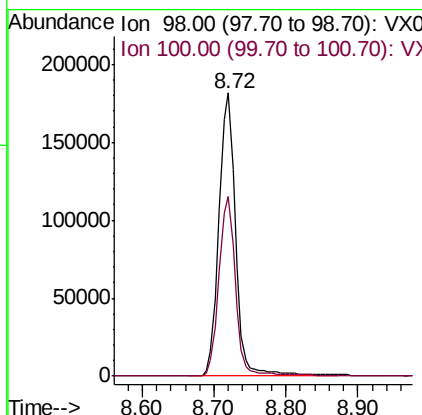
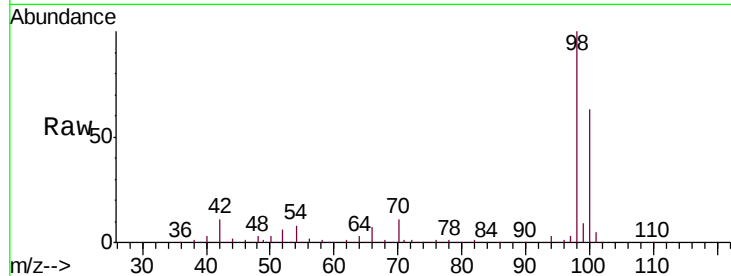




#50  
Toluene-d8  
Concen: 46.39 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003652.D  
Acq: 25 Jul 2018 11:39

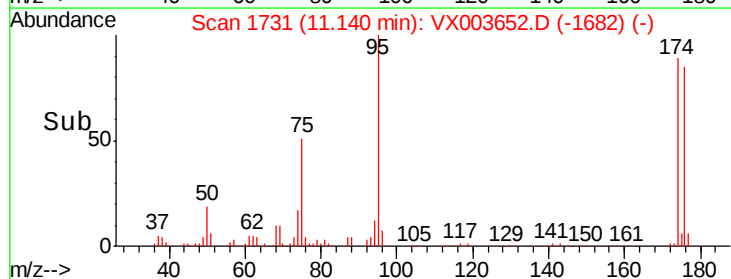
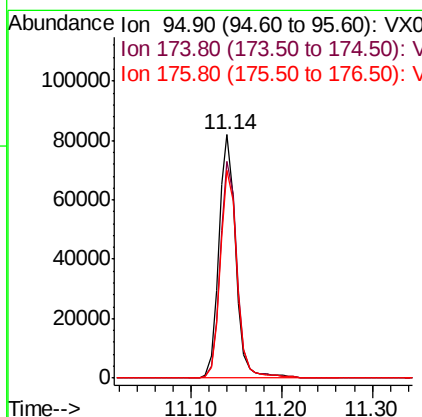
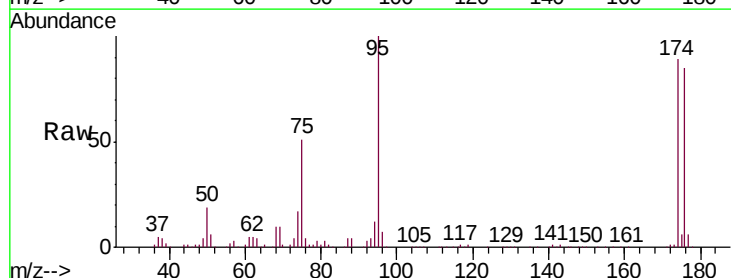
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

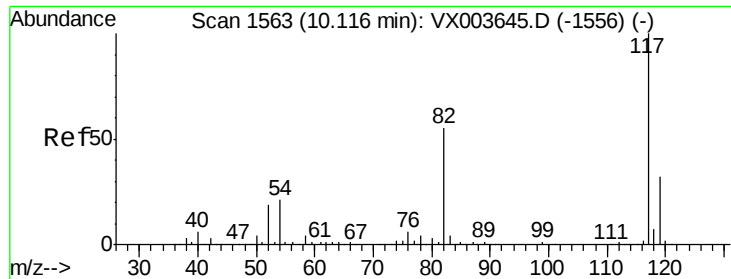
Tot Ion: 98 Resp: 293914  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 46.22 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003652.D  
Acq: 25 Jul 2018 11:39

Tgt Ion: 95 Resp: 106802  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 179.0  
176 85.3 0.0 173.0

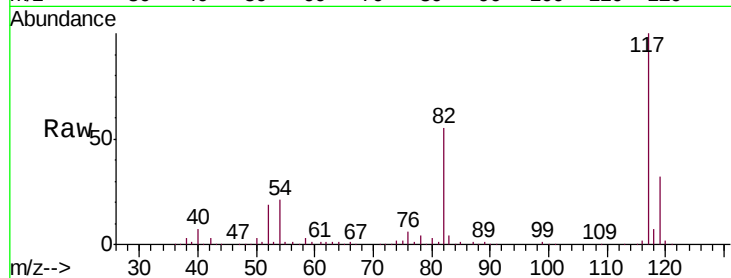




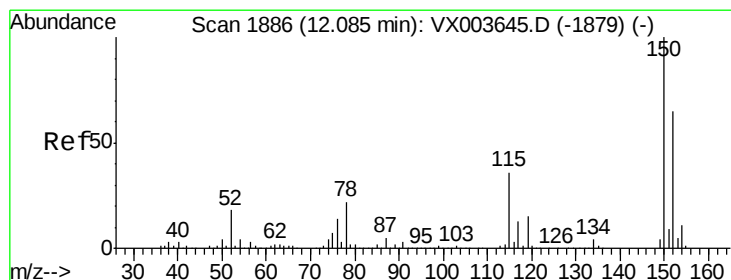
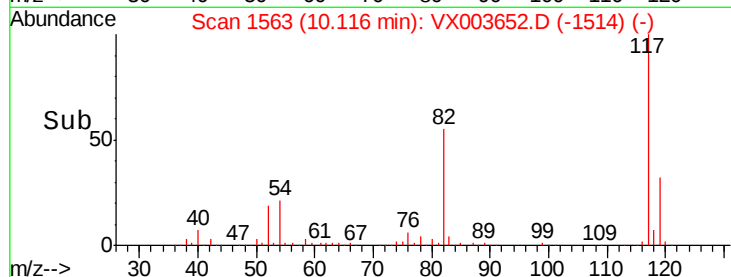
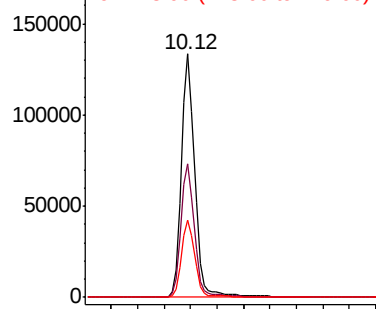
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003652.D  
Acq: 25 Jul 2018 11:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725MBL01

Tot Ion:117 Resp: 189350  
Ion Ratio Lower Upper  
117 100  
82 54.9 44.3 66.5  
119 31.8 25.6 38.4

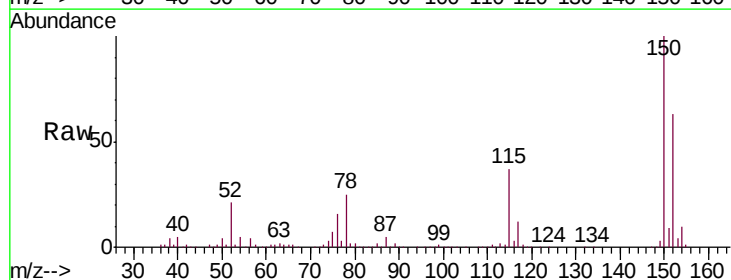


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: VX003652.D  
Acq: 25 Jul 2018 11:39

Tgt Ion:152 Resp: 123308  
Ion Ratio Lower Upper  
152 100  
115 56.3 40.0 119.9  
150 156.4 0.0 348.4



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

