

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
 Data File : VX005028.D  
 Acq On : 04 Oct 2018 19:35  
 Operator : JC/MD  
 Sample : J5243-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DSN001

Quant Time: Oct 05 13:50:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 230582   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 373772   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 362801   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 201070   | 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   | 174095   | 52.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.70% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 145076   | 45.80 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.60%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 535378   | 50.84 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.68% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 193696   | 51.05 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.10% |          |

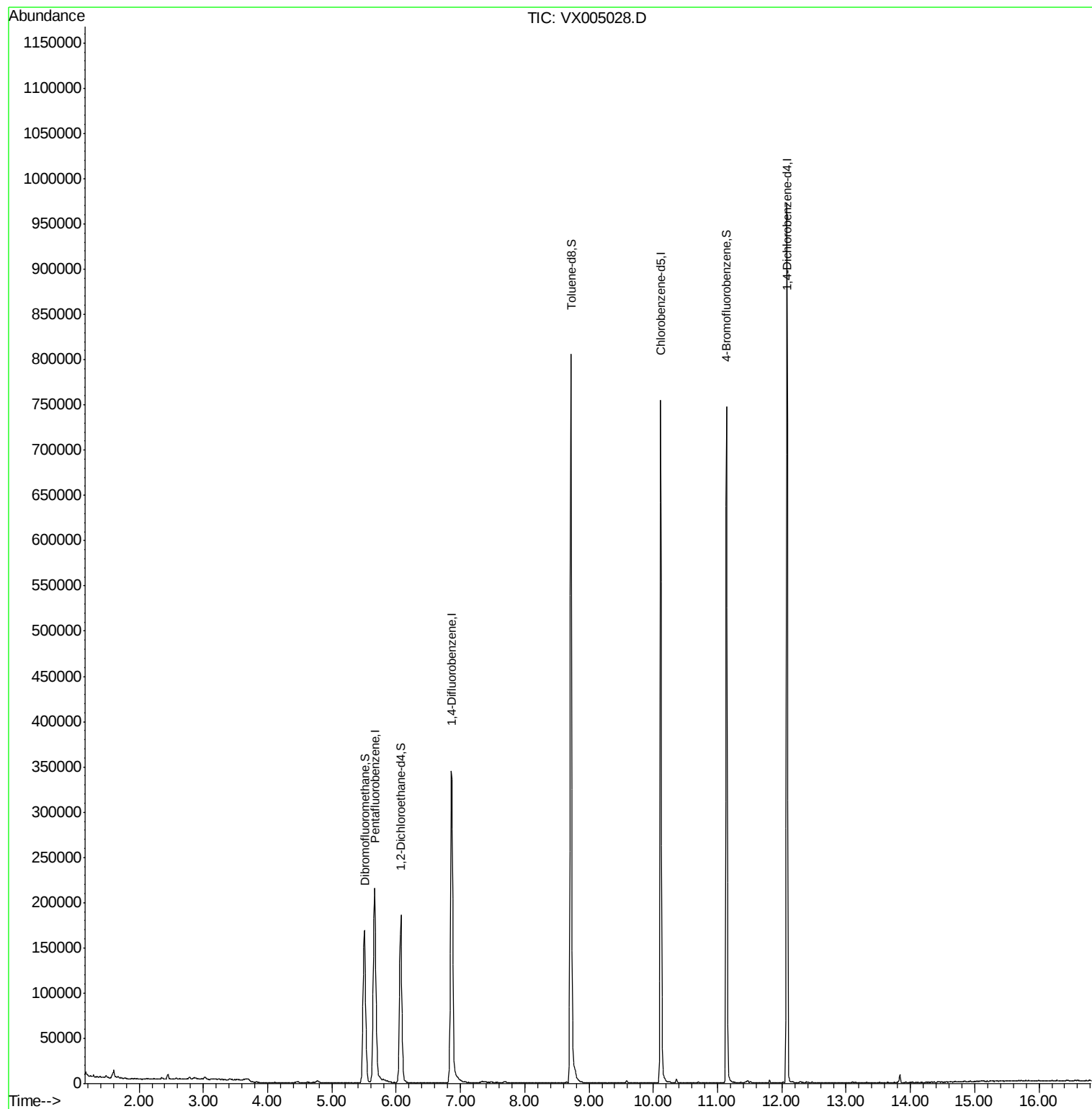
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
Data File : VX005028.D  
Acq On : 04 Oct 2018 19:35  
Operator : JC/MD  
Sample : J5243-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN001

Quant Time: Oct 05 13:50:22 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 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: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA\_X

ClientSampleId :

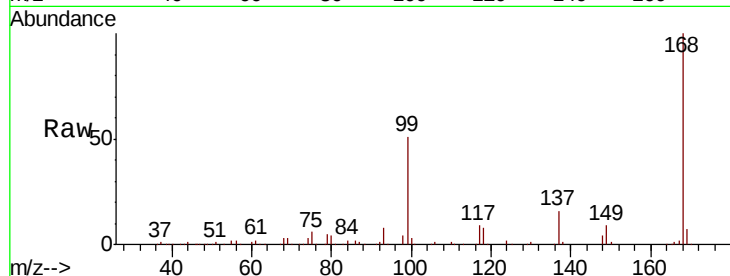
DSN001

Tot Ion:168 Resp: 230582

Ion Ratio Lower Upper

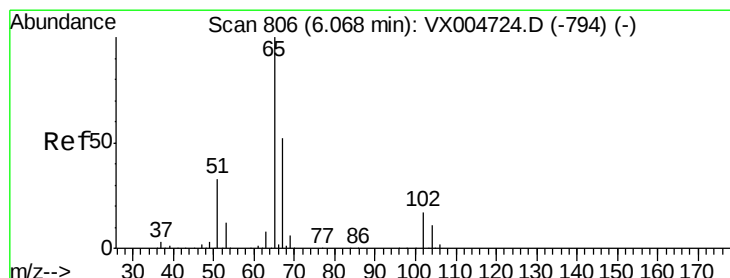
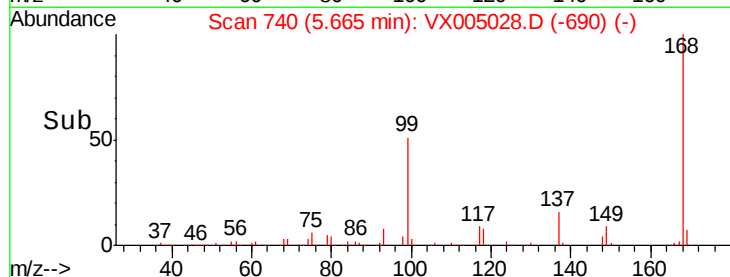
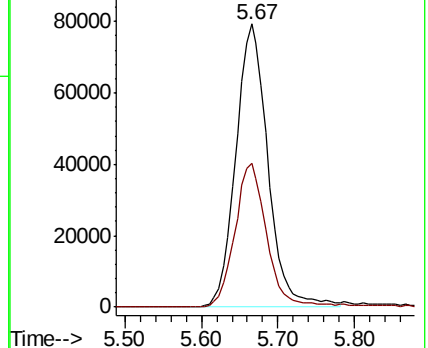
168 100

99 50.7 39.3 58.9



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: 52.854 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005028.D

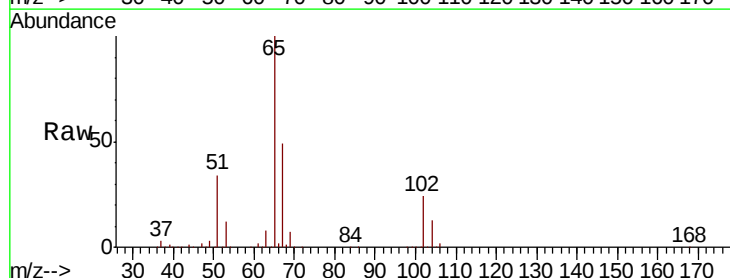
Acq: 04 Oct 2018 19:35

Tgt Ion: 65 Resp: 174095

Ion Ratio Lower Upper

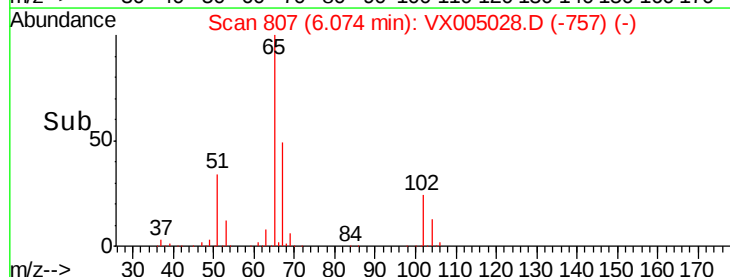
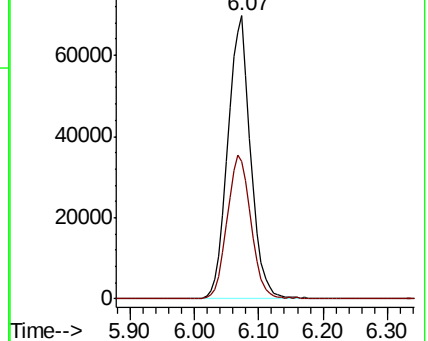
65 100

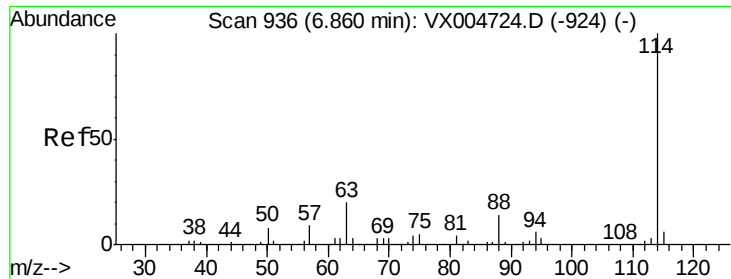
67 53.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

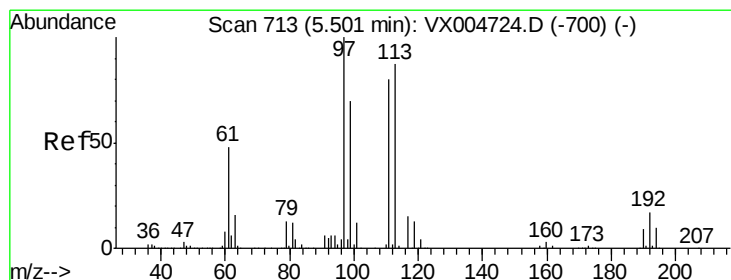
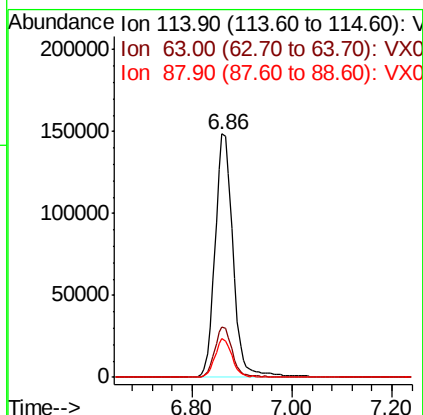
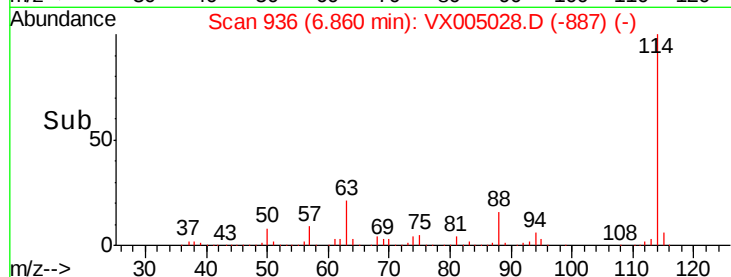
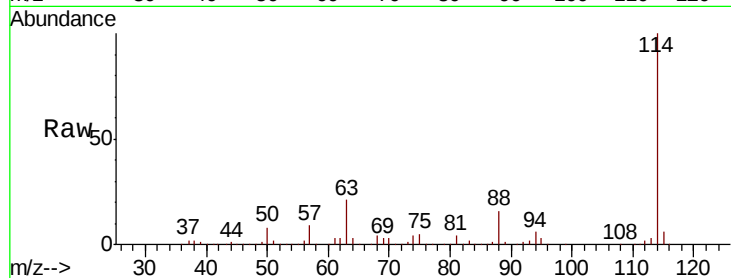




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: VX005028.D  
Acq: 04 Oct 2018 19:35

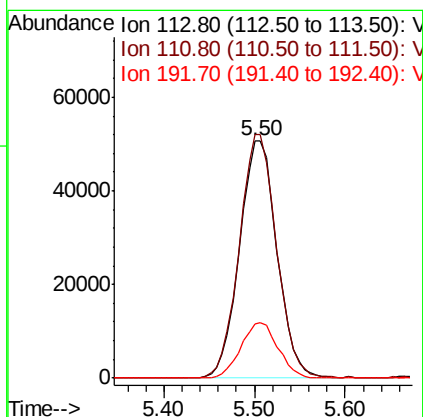
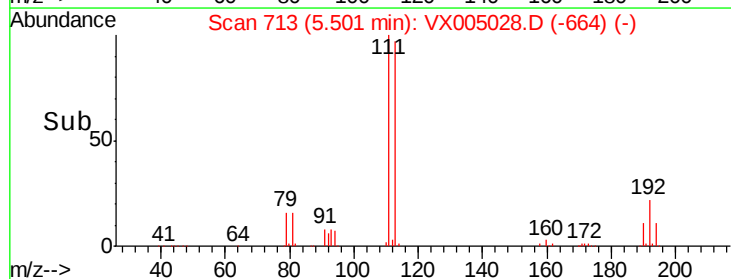
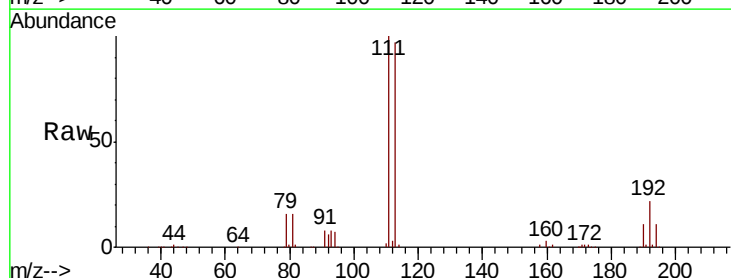
Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN001

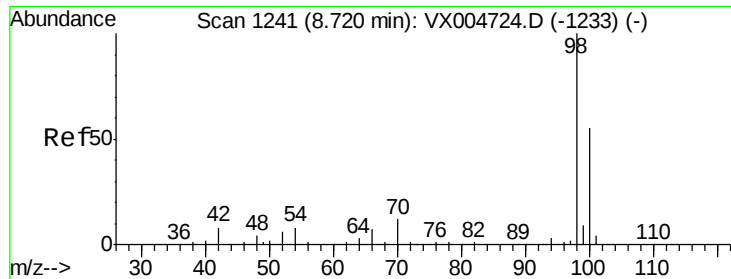
Tot Ion:114 Resp: 373772  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 39.8  
88 15.8 0.0 27.0



#35  
Dibromofluoromethane  
Concen: 45.798 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX005028.D  
Acq: 04 Oct 2018 19:35

Tgt Ion:113 Resp: 145076  
Ion Ratio Lower Upper  
113 100  
111 101.9 77.0 115.4  
192 23.3 17.0 25.6

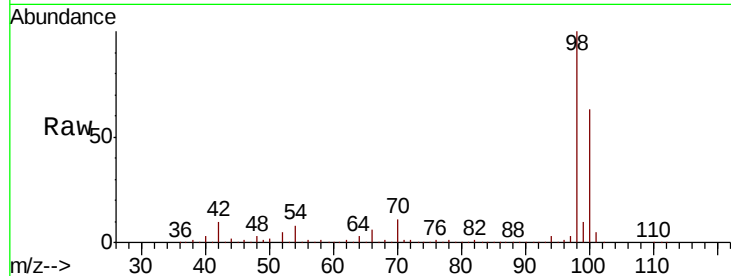




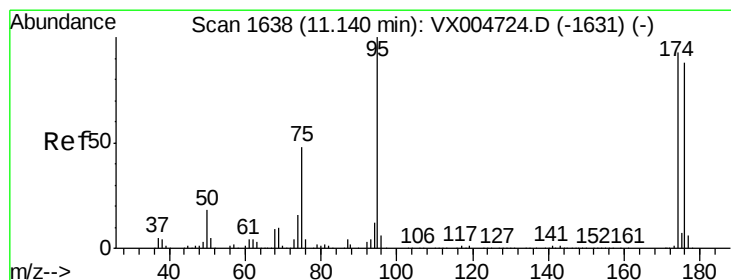
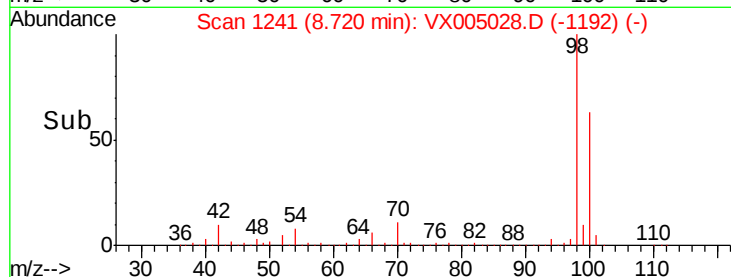
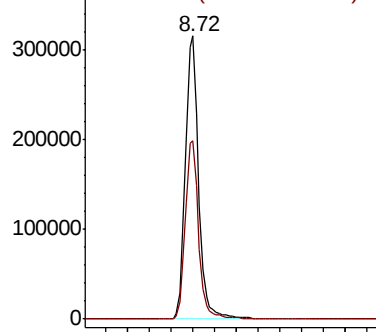
#50  
Toluene-d8  
Concen: 50.837 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX005028.D  
Acq: 04 Oct 2018 19:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN001

Tot Ion: 98 Resp: 535378  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.9 77.9

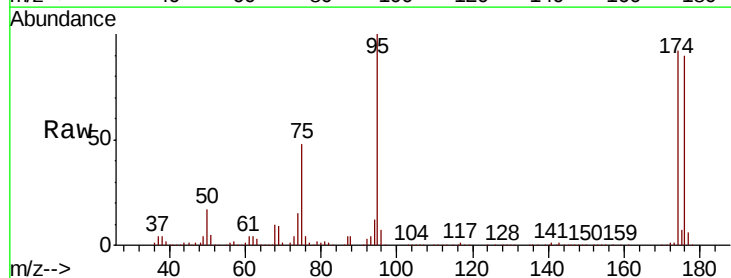


Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V

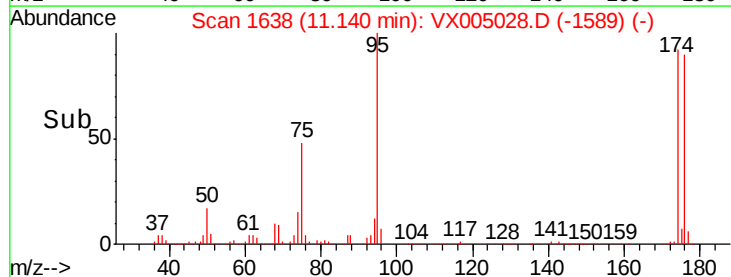
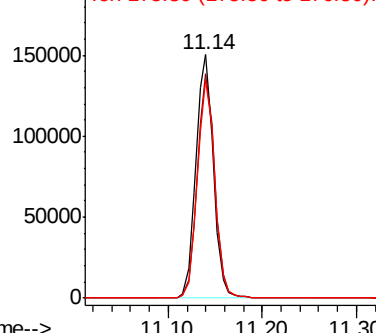


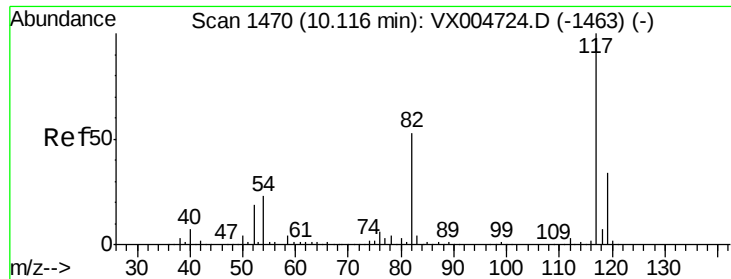
#62  
4-Bromofluorobenzene  
Concen: 51.054 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX005028.D  
Acq: 04 Oct 2018 19:35

Tgt Ion: 95 Resp: 193696  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 185.0  
176 89.5 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

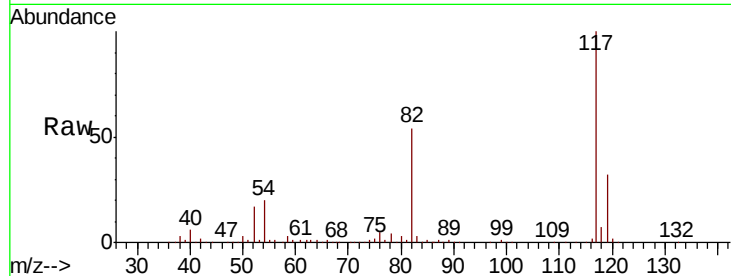




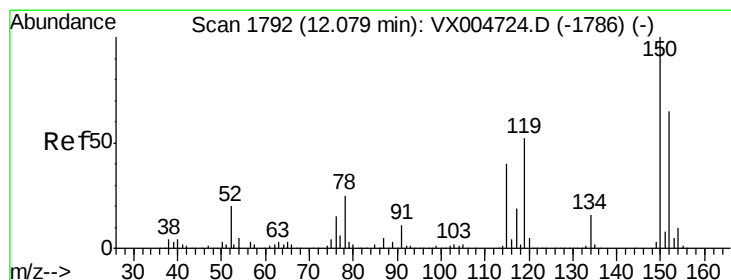
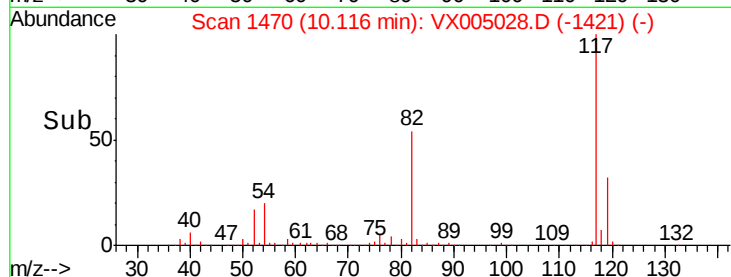
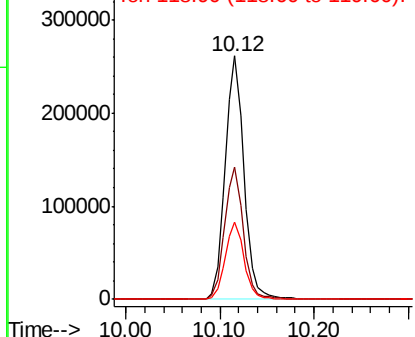
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005028.D  
Acq: 04 Oct 2018 19:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN001

Tot Ion:117 Resp: 362801  
Ion Ratio Lower Upper  
117 100  
82 54.3 42.2 63.4  
119 31.7 27.4 41.0

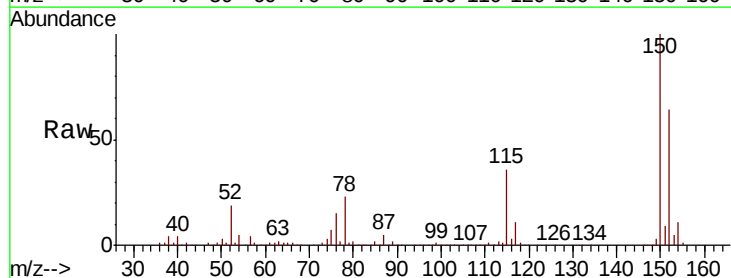


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX005028.D  
Acq: 04 Oct 2018 19:35

Tgt Ion:152 Resp: 201070  
Ion Ratio Lower Upper  
152 100  
115 55.0 40.2 120.6  
150 155.6 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

