

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX082418\  
 Data File : VX004246.D  
 Acq On : 24 Aug 2018 14:55  
 Operator : JC/MD  
 Sample : J4646-16  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-Q4-TB01

Quant Time: Aug 25 11:53:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 323633   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 505093   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 433758   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 263944   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 215194   | 51.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.04% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 189208   | 50.35 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.70% |      |
| 50) Toluene-d8              | 8.71   | 98  | 705928   | 49.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.54%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 242284   | 45.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.56%  |      |

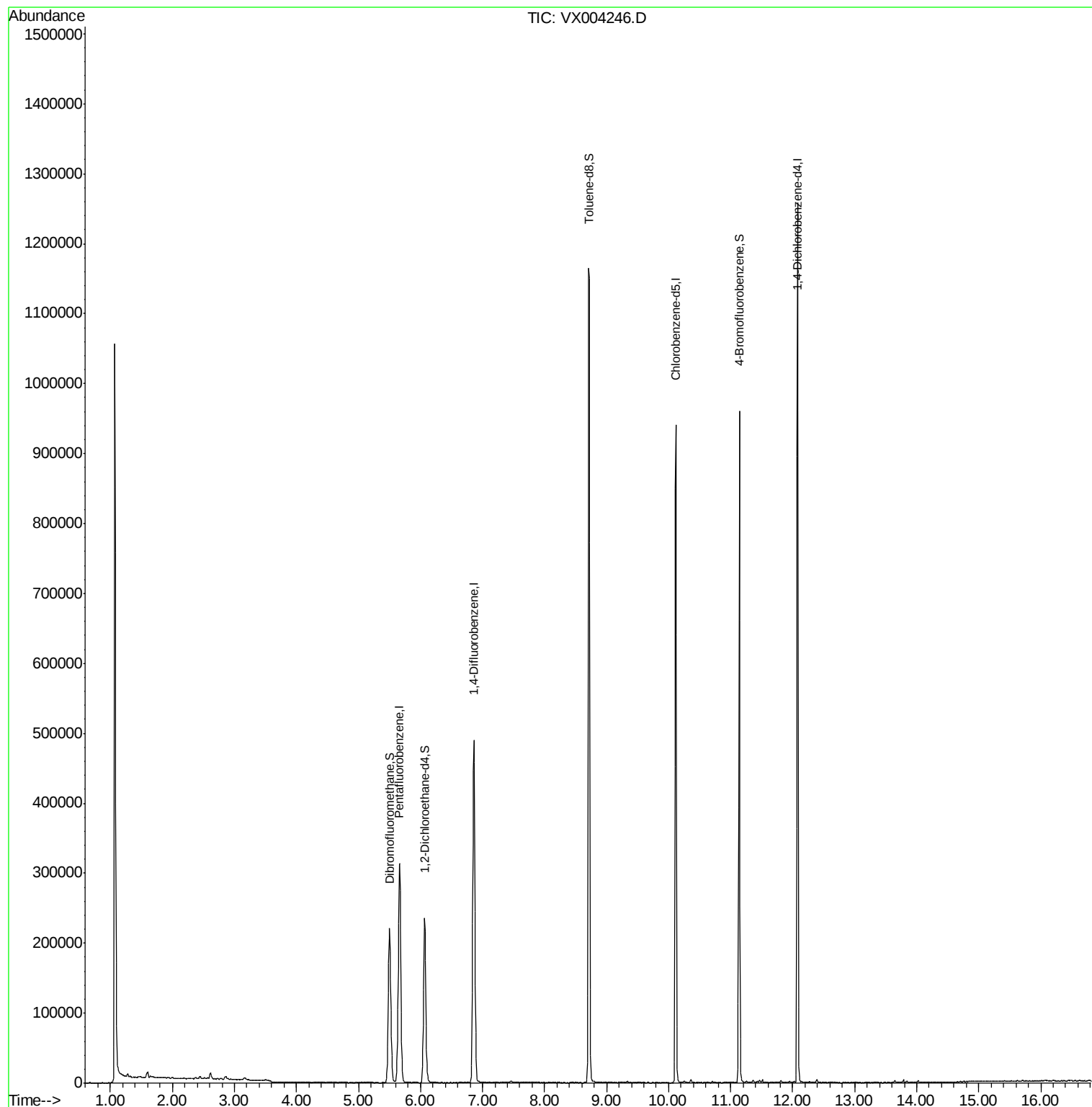
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

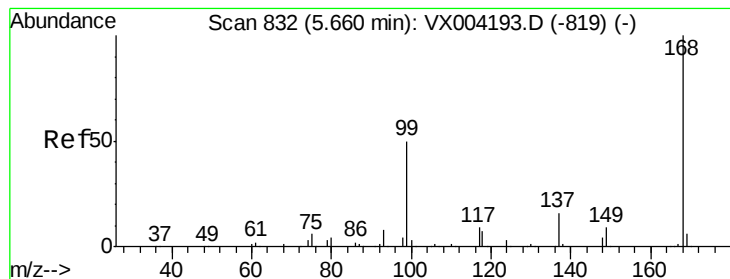
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX082418\  
Data File : VX004246.D  
Acq On : 24 Aug 2018 14:55  
Operator : JC/MD  
Sample : J4646-16  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-Q4-TB01

Quant Time: Aug 25 11:53:10 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA\_X

ClientSampleId :

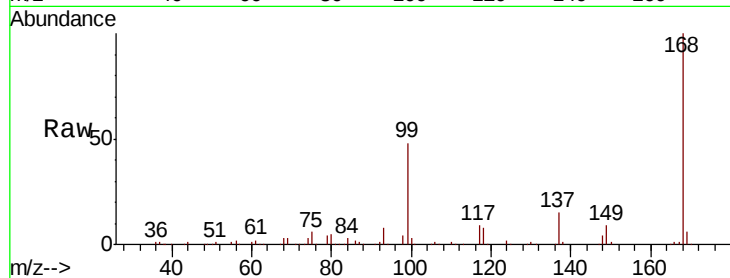
EP1-Q4-TB01

Tgt Ion:168 Resp: 323633

Ion Ratio Lower Upper

168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004193.D (-819) (-)

Ion 98.90 (98.60 to 99.60): VX004193.D (-819) (-)

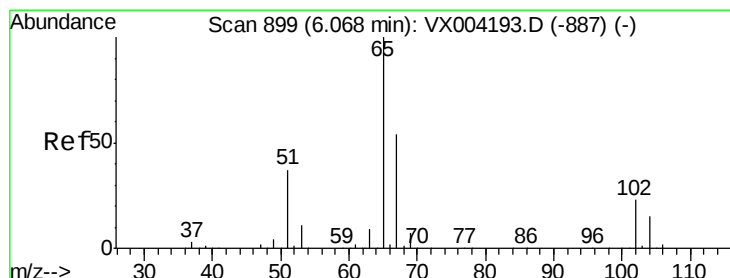
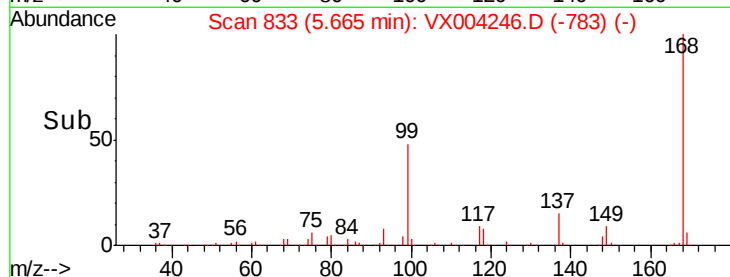
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 51.016 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004246.D

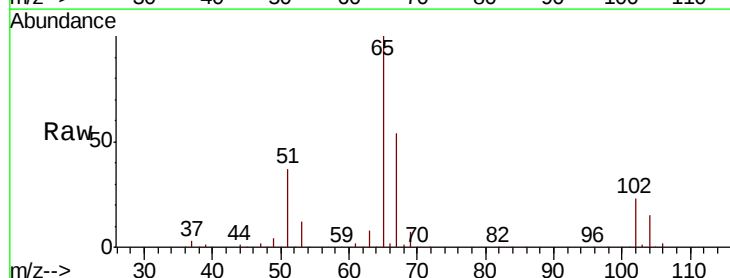
Acq: 24 Aug 2018 14:55

Tgt Ion: 65 Resp: 215194

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX004193.D (-887) (-)

Ion 66.90 (66.60 to 67.60): VX004193.D (-887) (-)

6.07

100000

80000

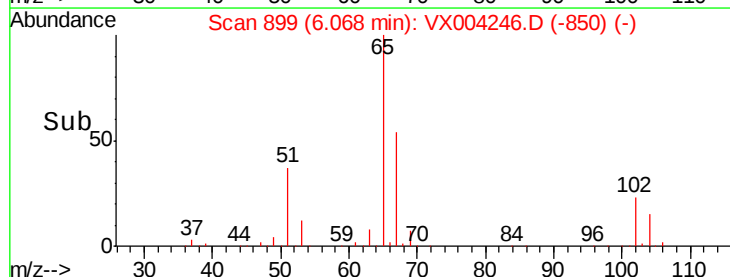
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20

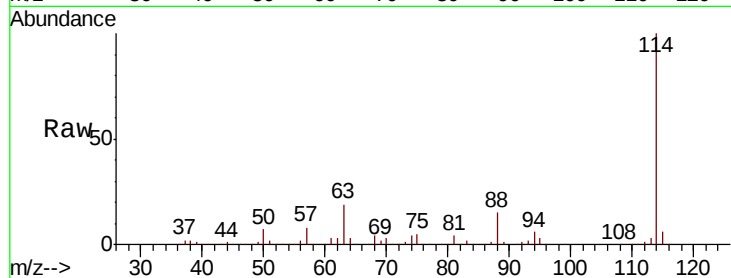




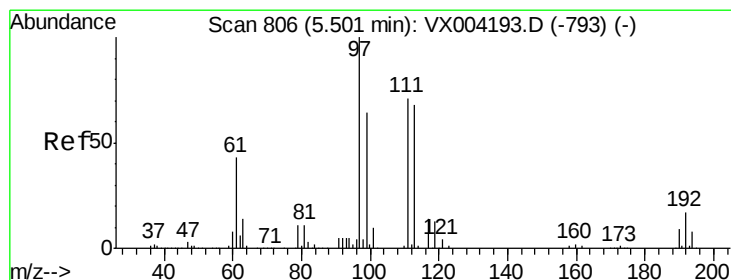
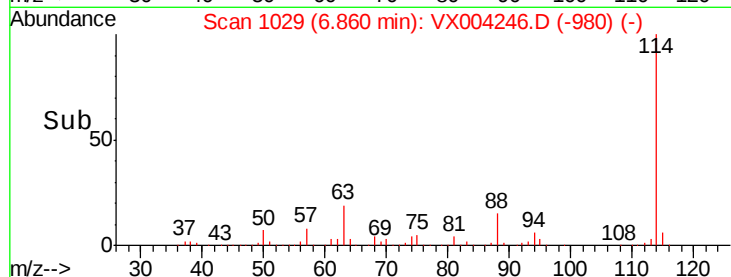
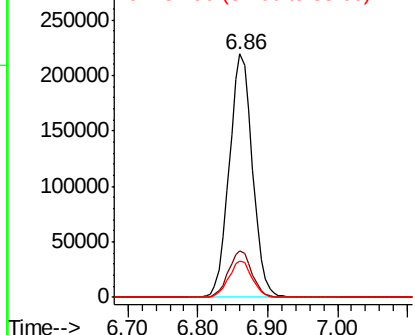
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004246.D  
 Acq: 24 Aug 2018 14:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-Q4-TB01

Tgt Ion:114 Resp: 505093  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 39.0  
 88 15.1 0.0 30.4

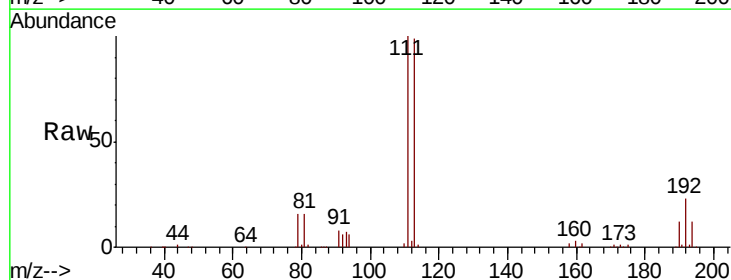


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

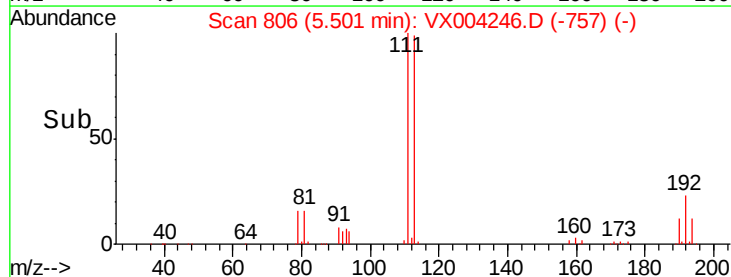
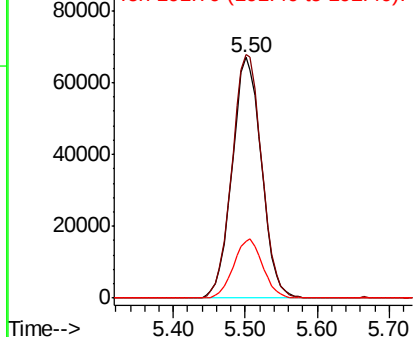


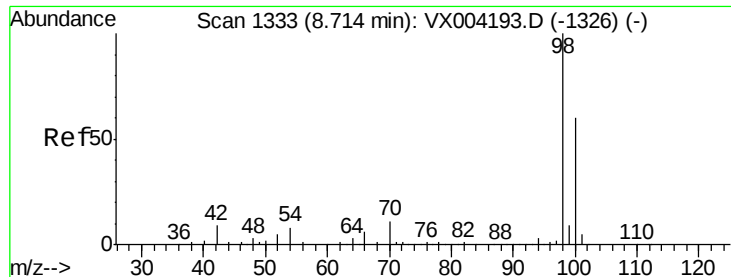
#35  
 Dibromofluoromethane  
 Concen: 50.354 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004246.D  
 Acq: 24 Aug 2018 14:55

Tgt Ion:113 Resp: 189208  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.4 123.6  
 192 24.2 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

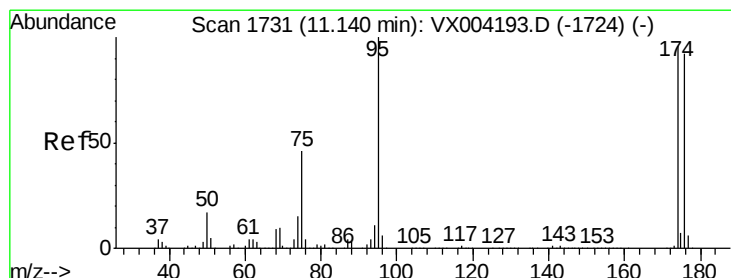
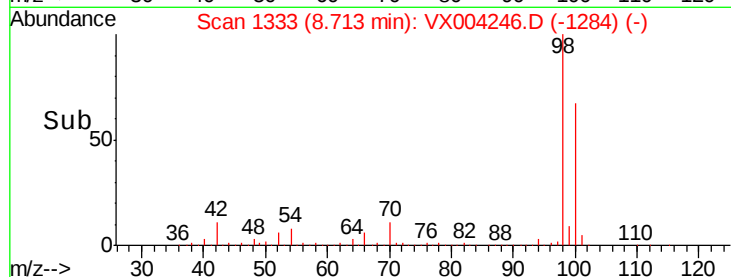
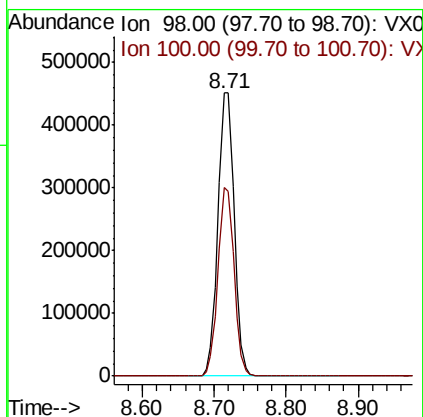
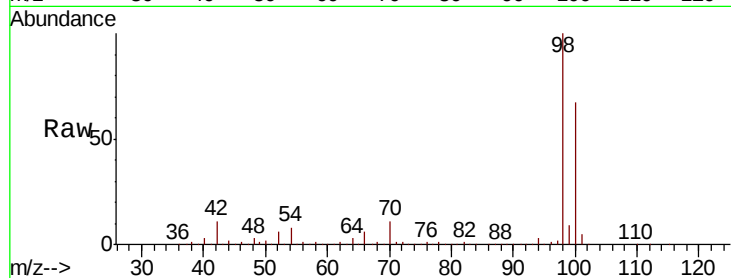




#50  
Toluene-d8  
Concen: 49.771 ug/l  
RT: 8.71 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: VX004246.D  
Acq: 24 Aug 2018 14:55

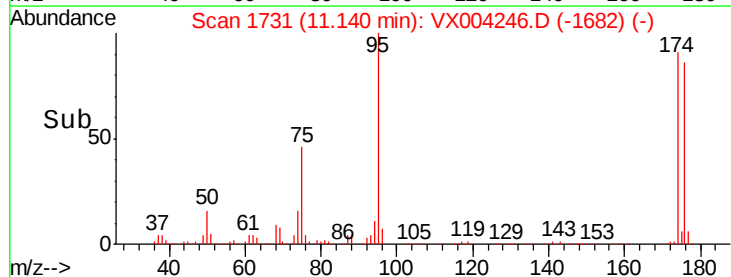
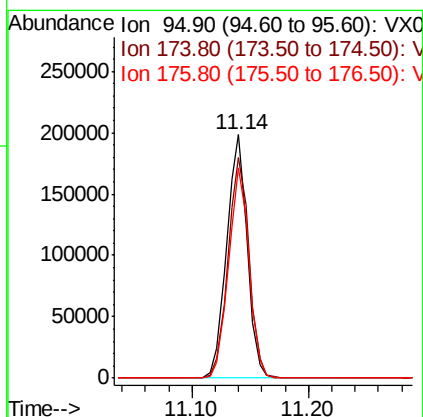
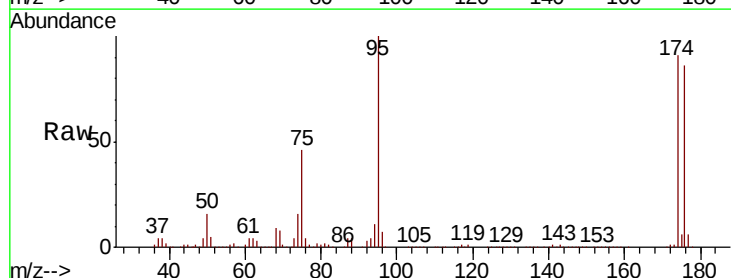
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-Q4-TB01

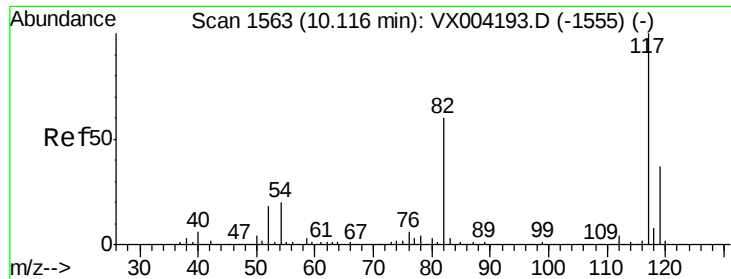
Tgt Ion: 98 Resp: 705928  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 45.781 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX004246.D  
Acq: 24 Aug 2018 14:55

Tgt Ion: 95 Resp: 242284  
Ion Ratio Lower Upper  
95 100  
174 93.4 0.0 185.2  
176 87.0 0.0 178.6

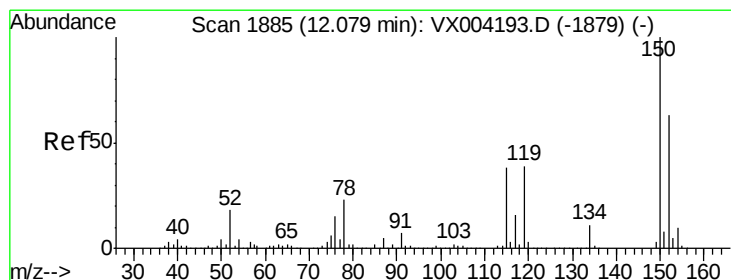
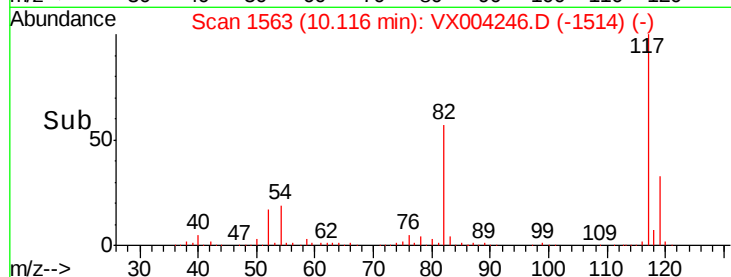
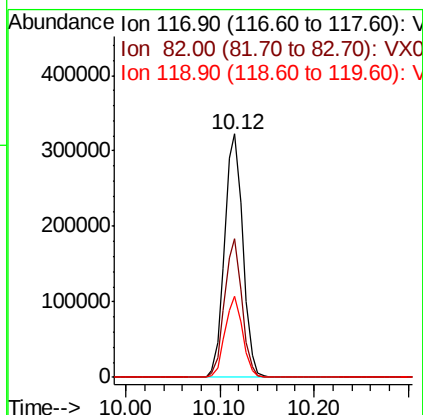
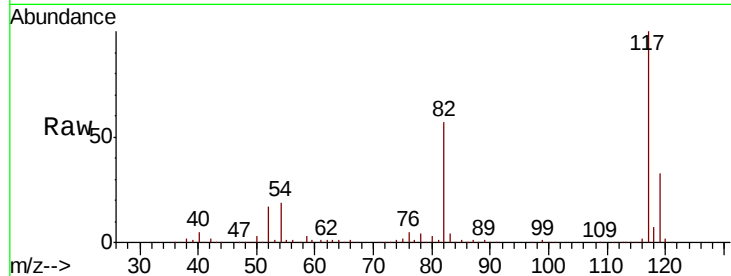




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004246.D  
Acq: 24 Aug 2018 14:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-Q4-TB01

Tgt Ion:117 Resp: 433758  
Ion Ratio Lower Upper  
117 100  
82 56.9 47.8 71.6  
119 33.3 29.3 43.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX004246.D  
Acq: 24 Aug 2018 14:55

Tgt Ion:152 Resp: 263944  
Ion Ratio Lower Upper  
152 100  
115 54.6 39.0 117.0  
150 156.2 0.0 351.0

