

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\  
 Data File : VX004285.D  
 Acq On : 29 Aug 2018 11:50  
 Operator : JC/MD  
 Sample : J4681-20  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-RB1-M12W4-082218

Quant Time: Aug 30 07:27:20 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

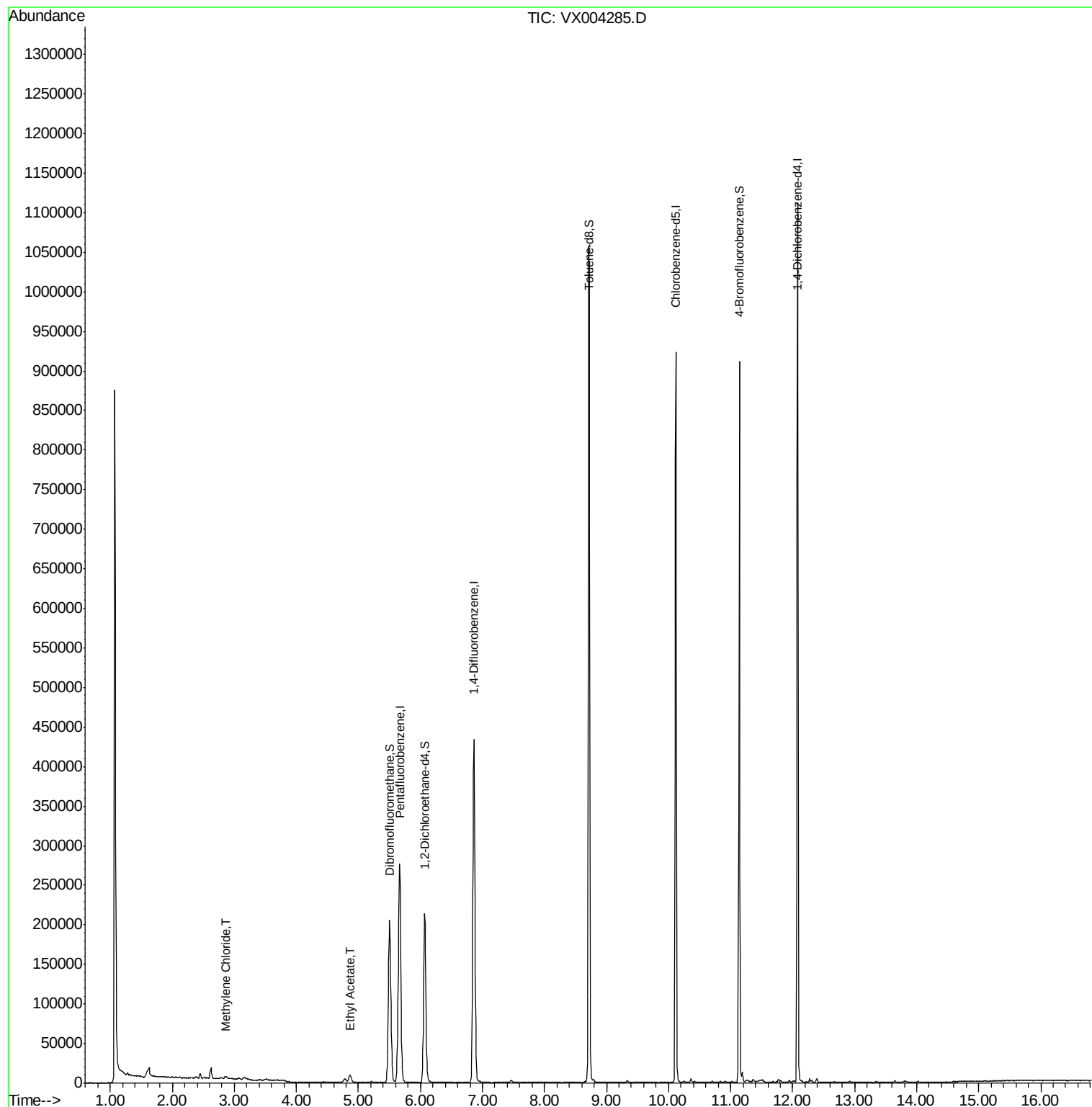
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 288651   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 446660   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 427701   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 232892   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 195247   | 51.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.80% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 172434   | 51.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.78% |          |
| 50) Toluene-d8              | 8.71  | 98   | 635174   | 50.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.28% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 228239   | 48.77 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.54%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.85  | 84   | 1330     | 0.37  | ug/l    | 83       |
| 37) Ethyl Acetate           | 4.87  | 43   | 17436    | 3.53  | ug/l    | 98       |

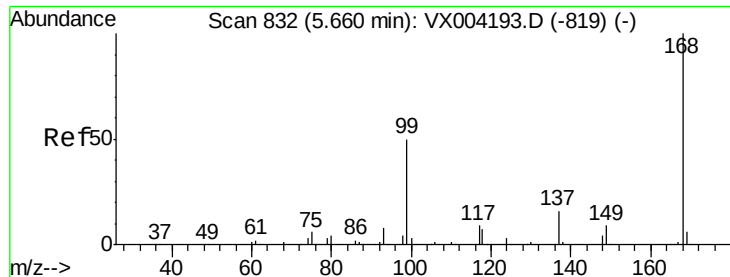
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CPA-RB1-M12W4-082218

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Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004285.D

Acq: 29 Aug 2018 11:50

Instrument :

MSVOA\_X

ClientSampleId :

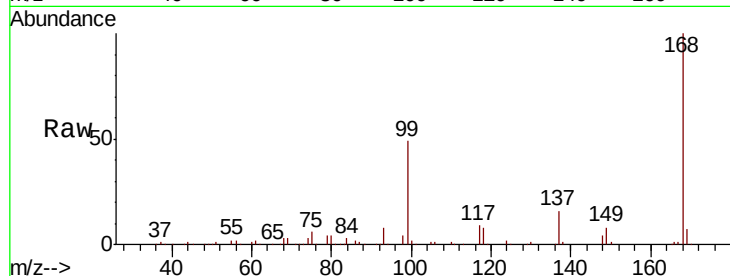
CPA-RB1-M12W4-082218

Tot Ion:168 Resp: 288651

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

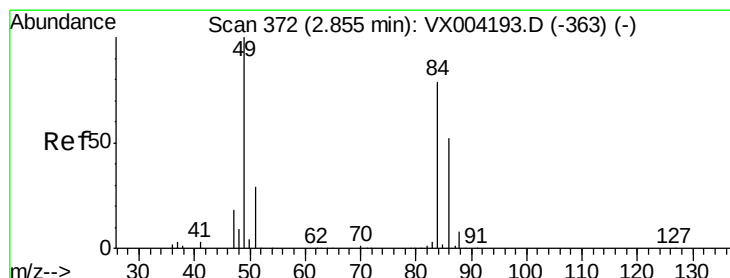
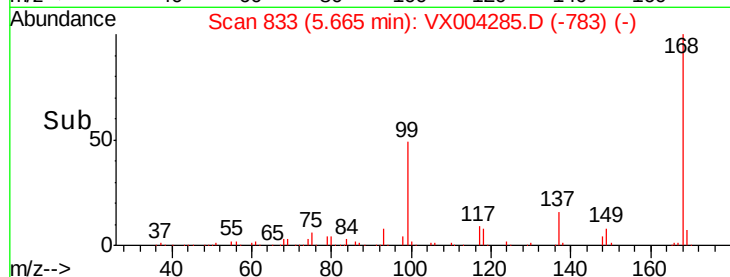
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 0.37 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX004285.D

Acq: 29 Aug 2018 11:50

Tgt Ion: 84 Resp: 1330

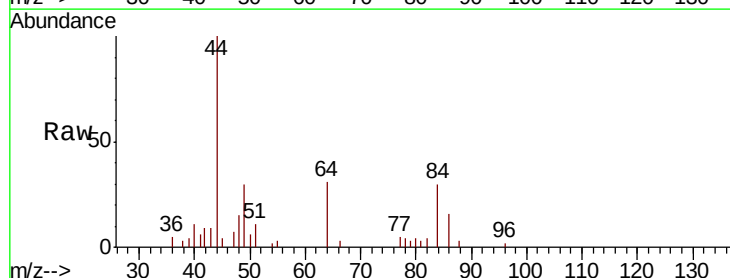
Ion Ratio Lower Upper

84 100

49 102.8 101.2 151.8

51 32.1 29.5 44.3

86 54.6 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2.85

1200

1000

800

600

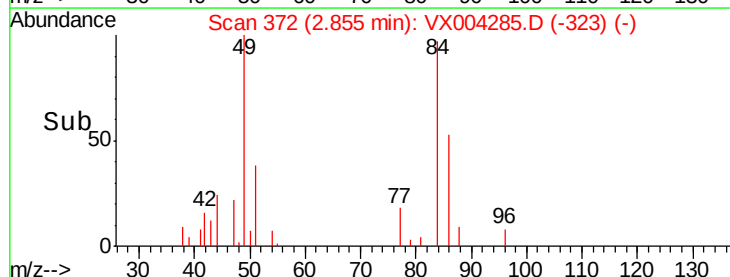
400

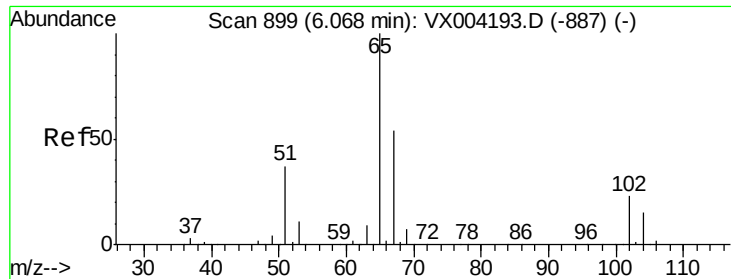
200

0

Time-->

2.80 2.85 2.90

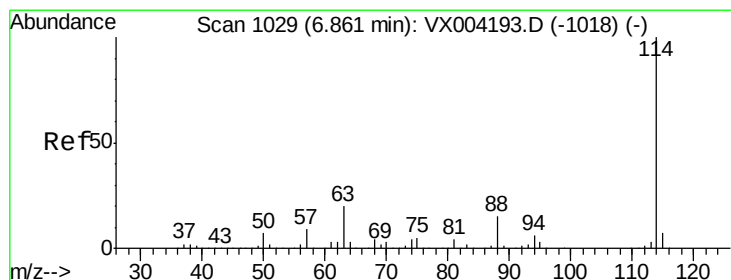
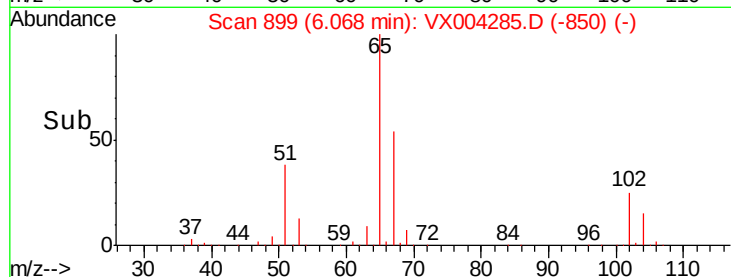
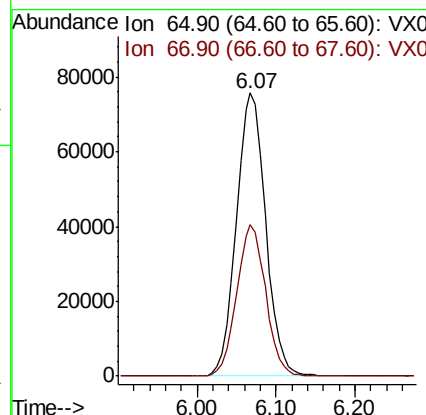
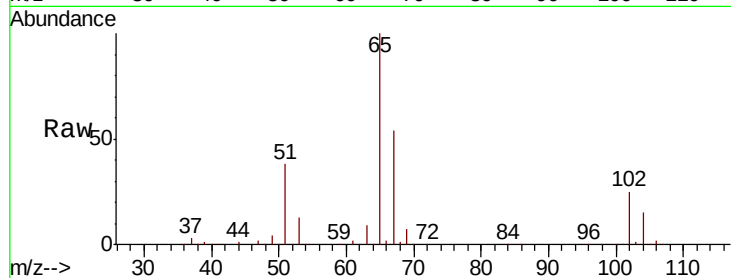




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.90 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004285.D  
 Acq: 29 Aug 2018 11:50

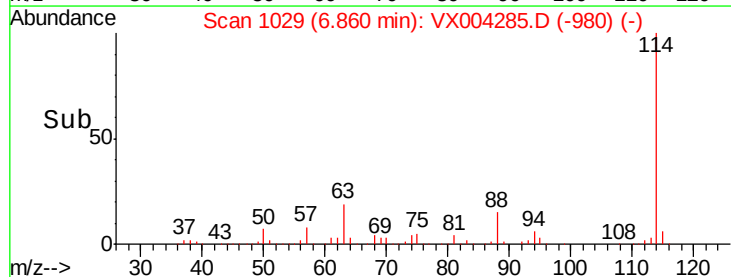
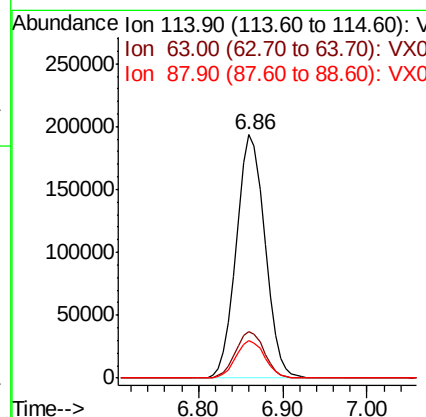
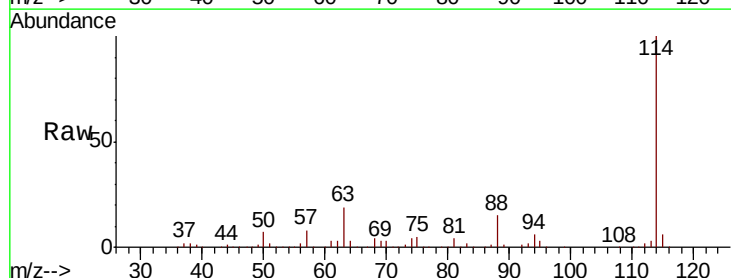
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-RB1-M12W4-082218

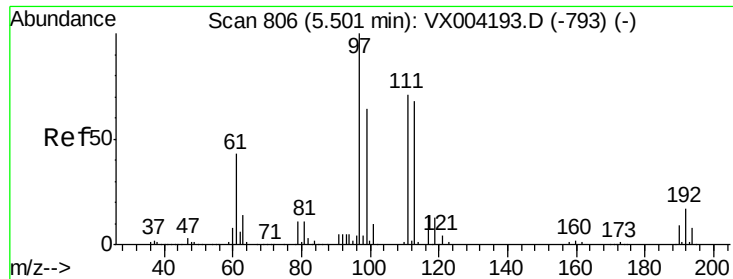
Tot Ion: 65 Resp: 195247  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004285.D  
 Acq: 29 Aug 2018 11:50

Tgt Ion: 114 Resp: 446660  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 39.0  
 88 15.4 0.0 30.4

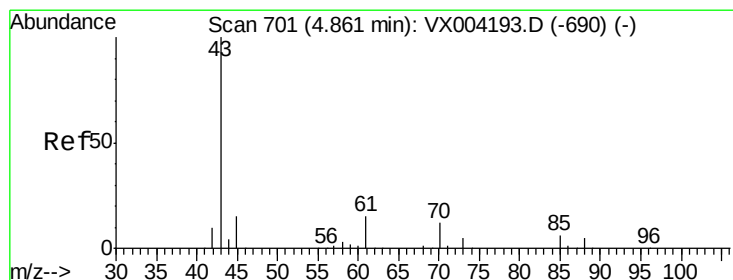
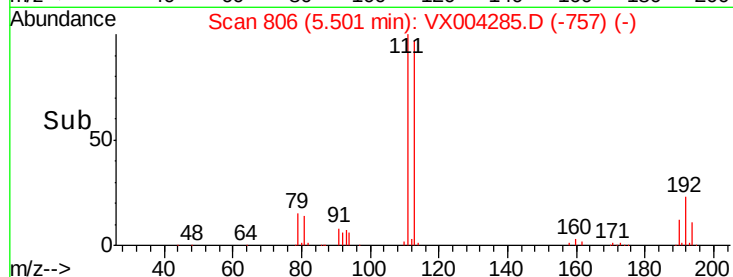
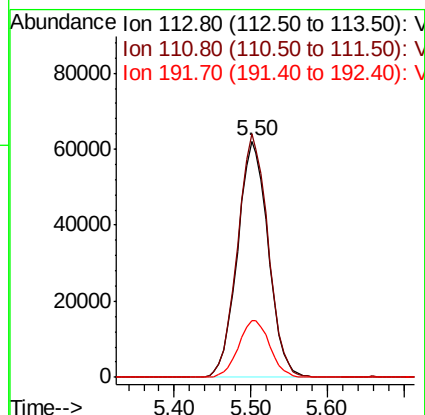
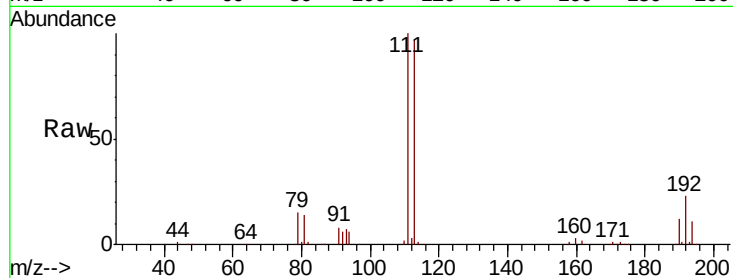




#35  
 Dibromofluoromethane  
 Concen: 51.89 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004285.D  
 Acq: 29 Aug 2018 11:50

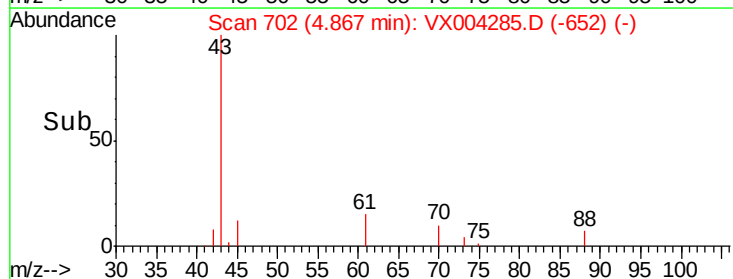
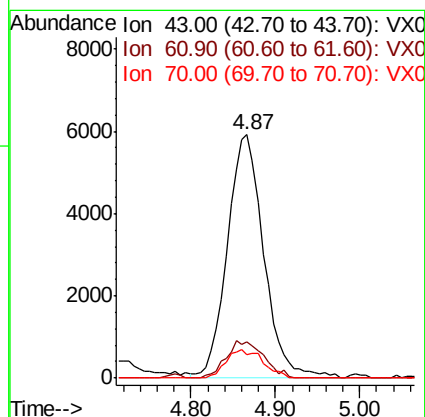
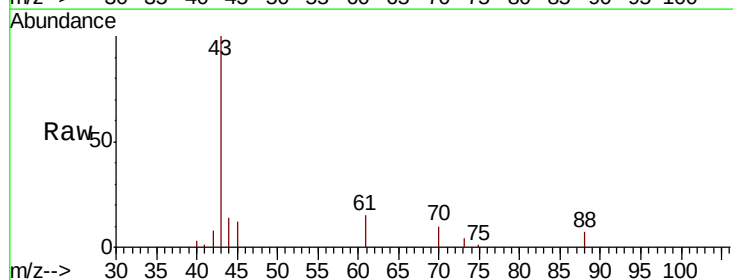
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-RB1-M12W4-082218

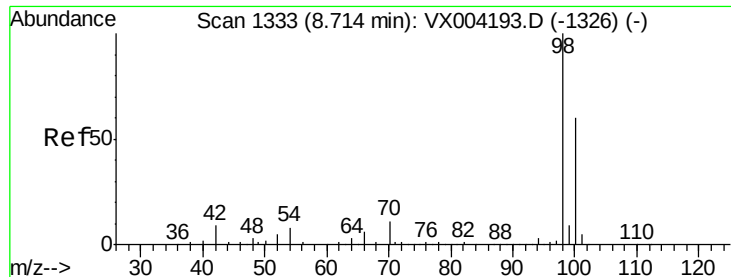
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.4  | 123.6 |
| 192     | 24.6  | 19.4  | 29.2  |



#37  
 Ethyl Acetate  
 Concen: 3.53 ug/l  
 RT: 4.87 min Scan# 702  
 Delta R.T. 0.01 min  
 Lab File: VX004285.D  
 Acq: 29 Aug 2018 11:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.7  | 11.5  | 17.3  |
| 70      | 11.8  | 9.0   | 13.6  |





#50

Toluene-d8

Concen: 50.64 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004285.D

Acq: 29 Aug 2018 11:50

Instrument :

MSVOA\_X

ClientSampleId :

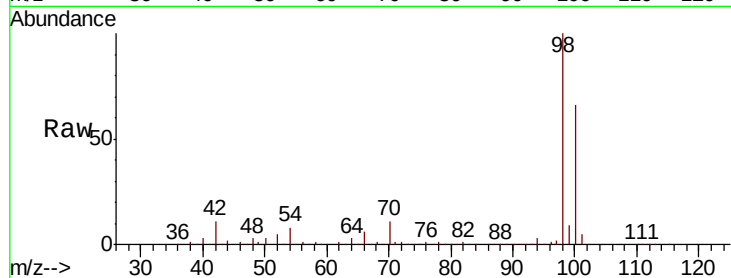
CPA-RB1-M12W4-082218

Tot Ion: 98 Resp: 635174

Ion Ratio Lower Upper

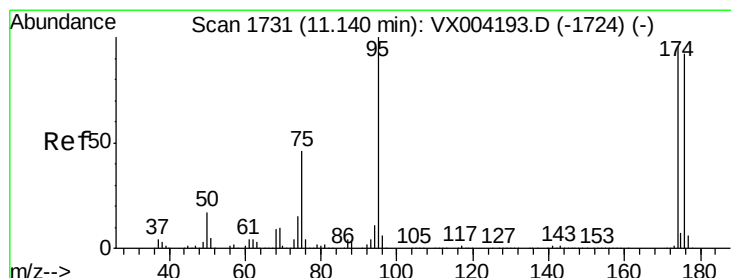
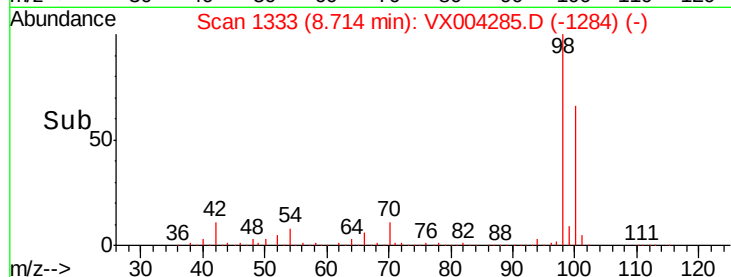
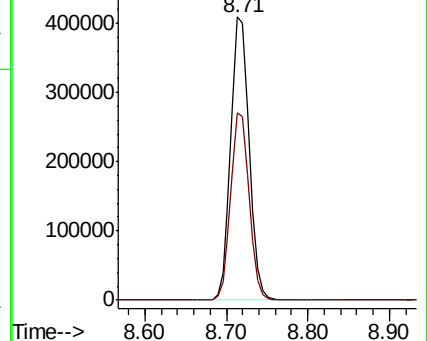
98 100

100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 48.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004285.D

Acq: 29 Aug 2018 11:50

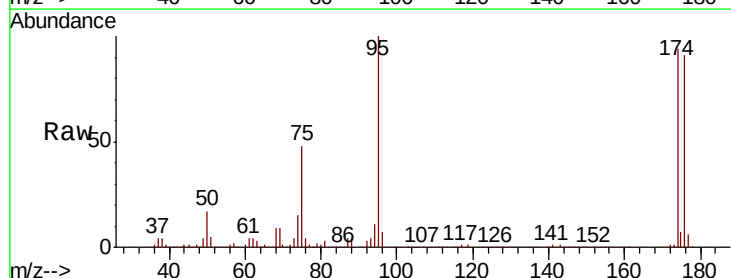
Tgt Ion: 95 Resp: 228239

Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.2

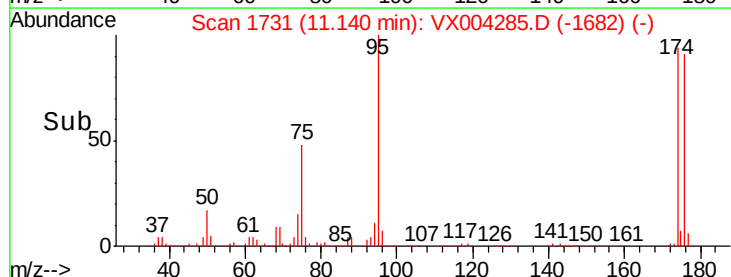
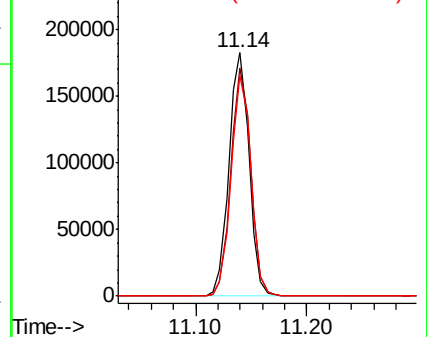
176 89.6 0.0 178.6

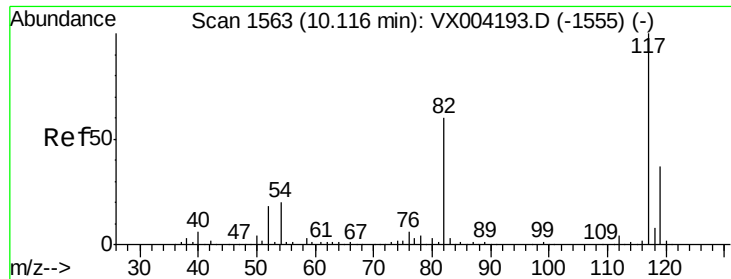


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

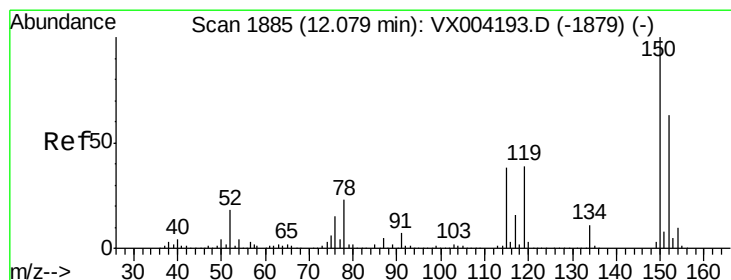
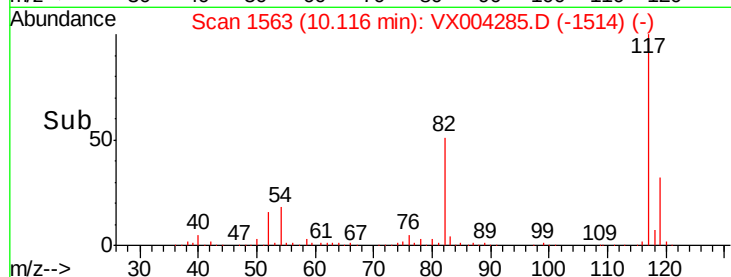
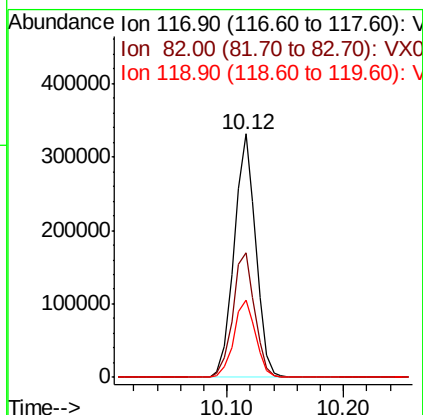
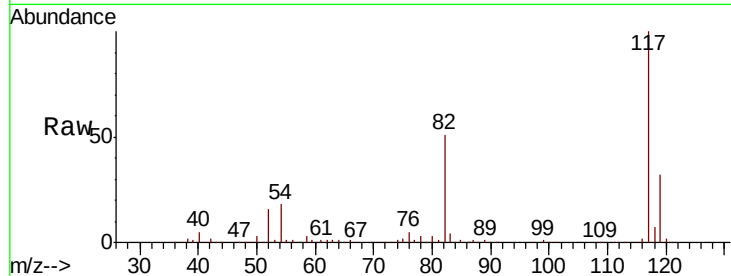




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004285.D  
Acq: 29 Aug 2018 11:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
CPA-RB1-M12W4-082218

Tot Ion:117 Resp: 427701  
Ion Ratio Lower Upper  
117 100  
82 51.2 47.8 71.6  
119 31.7 29.3 43.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX004285.D  
Acq: 29 Aug 2018 11:50

Tgt Ion:152 Resp: 232892  
Ion Ratio Lower Upper  
152 100  
115 54.4 39.0 117.0  
150 152.1 0.0 351.0

