

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\  
 Data File : VX004297.D  
 Acq On : 29 Aug 2018 17:11  
 Operator : JC/MD  
 Sample : J4681-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW09S-M12W4-082318

Quant Time: Aug 30 07:20:34 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

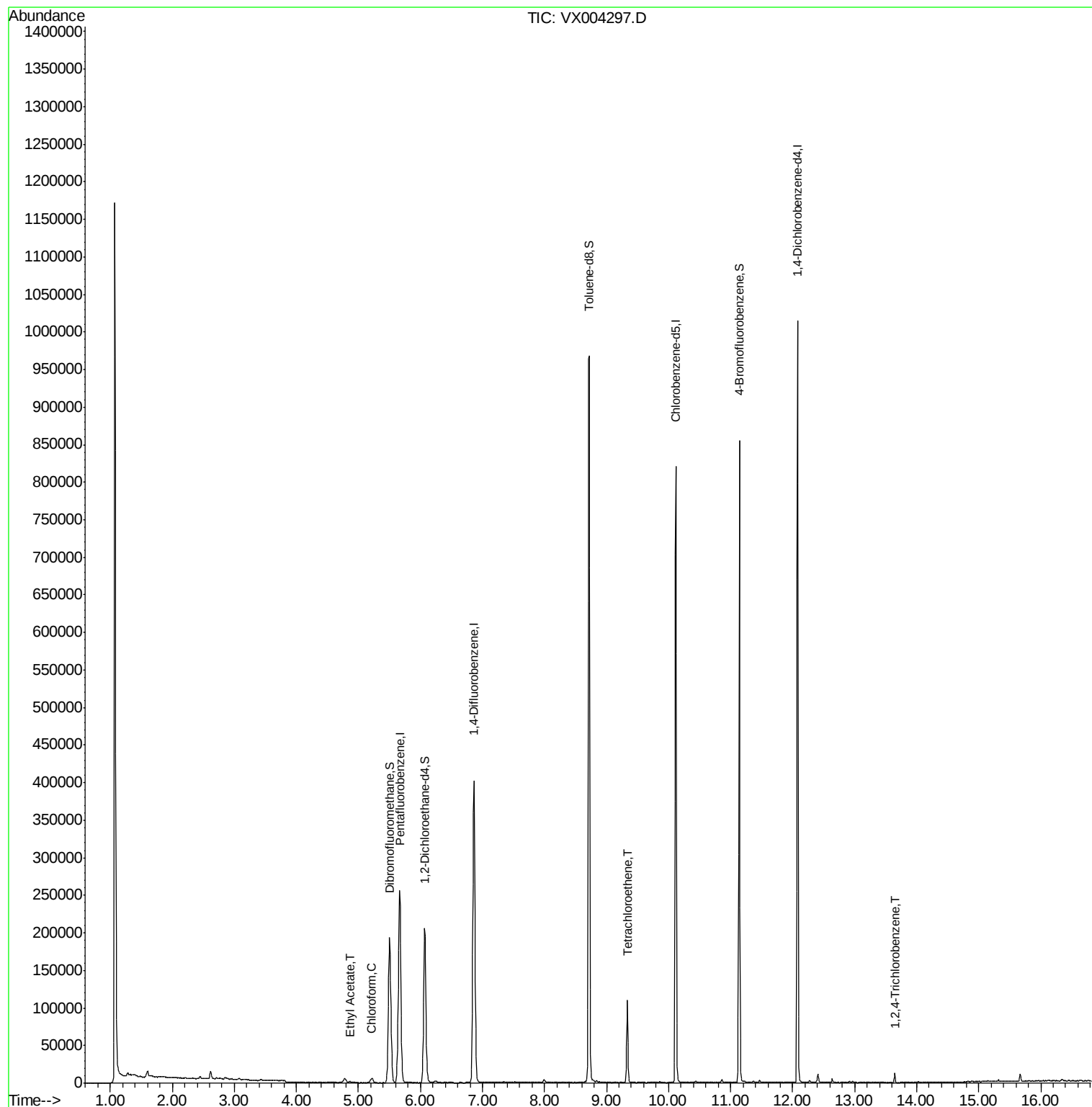
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 262232   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 414147   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 376350   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 202545   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 189517   | 55.45 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.90% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 164641   | 53.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.88% |          |
| 50) Toluene-d8              | 8.72  | 98   | 595800   | 51.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.46% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 205983   | 47.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.94%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 30) Chloroform              | 5.21  | 83   | 6965     | 1.25  | ug/l    | 94       |
| 37) Ethyl Acetate           | 4.86  | 43   | 2325     | 0.51  | ug/l #  | 84       |
| 64) Tetrachloroethene       | 9.34  | 164  | 22626    | 6.09  | ug/l    | 98       |
| 93) 1,2,4-Trichlorobenzene  | 13.65 | 180  | 3140     | 0.67  | ug/l    | 96       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082918\  
Data File : VX004297.D  
Acq On : 29 Aug 2018 17:11  
Operator : JC/MD  
Sample : J4681-11  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
CPA-CPMW09S-M12W4-082318

Quant Time: Aug 30 07:20:34 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: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004297.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA\_X

ClientSampleId :

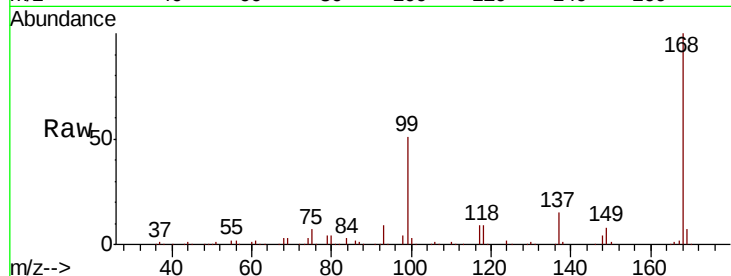
CPA-CPMW09S-M12W4-082318

Tot Ion:168 Resp: 262232

Ion Ratio Lower Upper

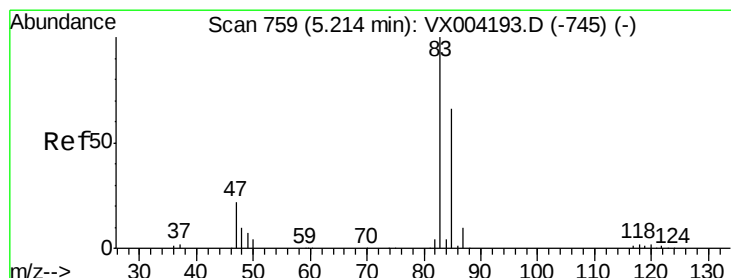
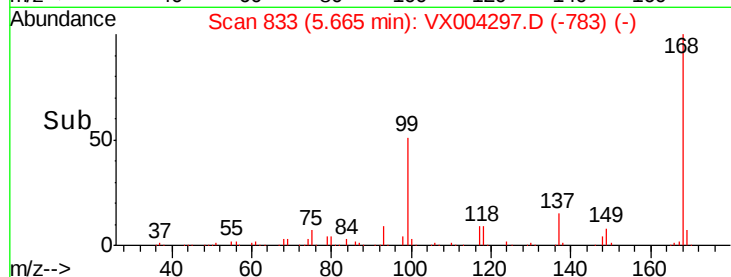
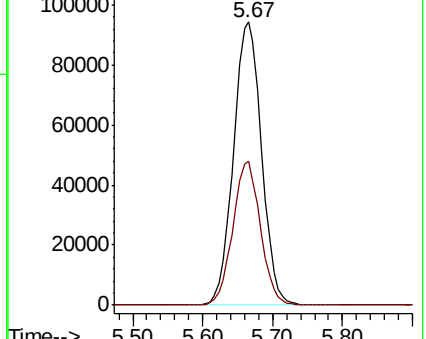
168 100

99 50.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#30

Chloroform

Concen: 1.25 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004297.D

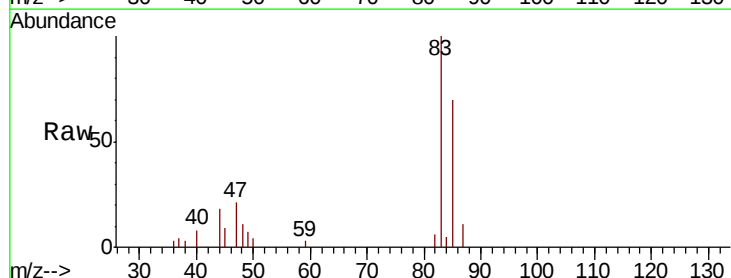
Acq: 29 Aug 2018 17:11

Tgt Ion: 83 Resp: 6965

Ion Ratio Lower Upper

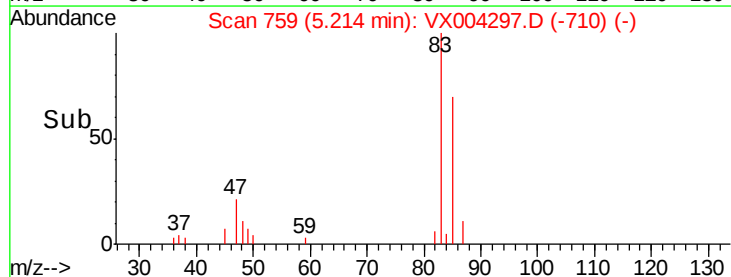
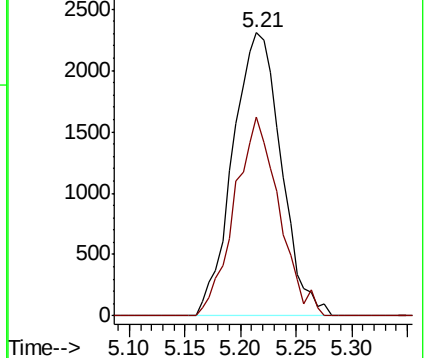
83 100

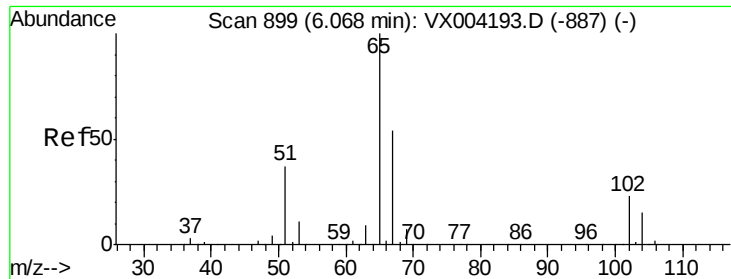
85 70.4 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

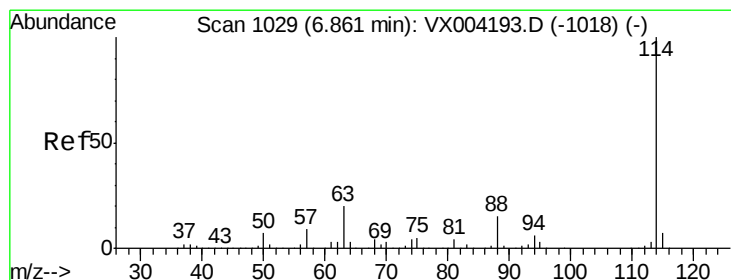
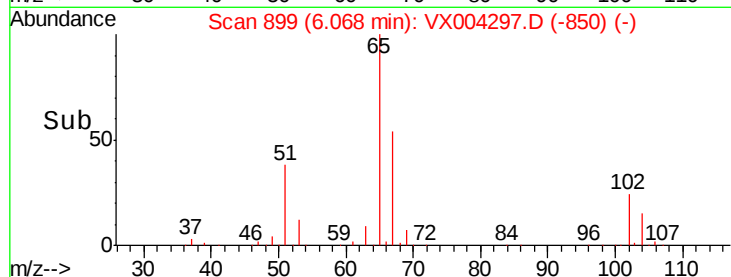
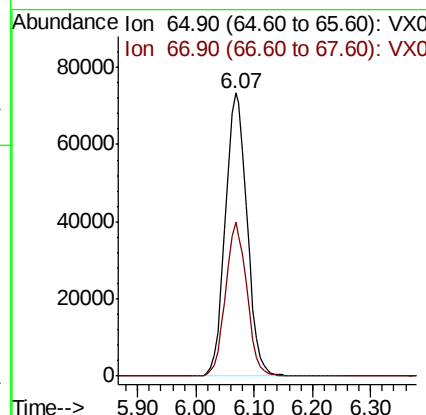
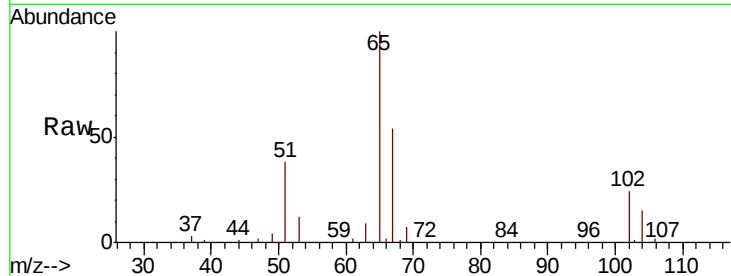




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.45 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004297.D  
 Acq: 29 Aug 2018 17:11

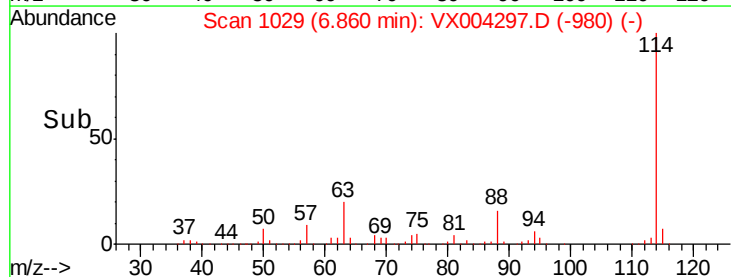
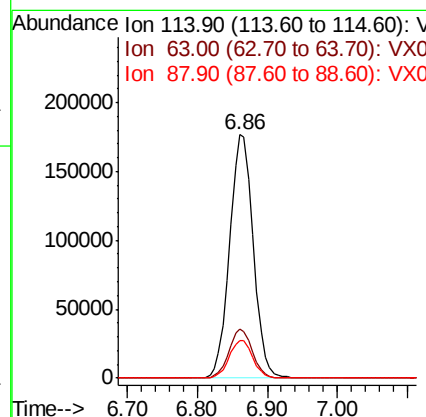
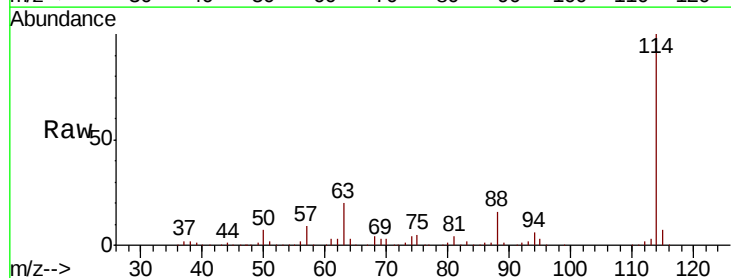
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW09S-M12W4-082318

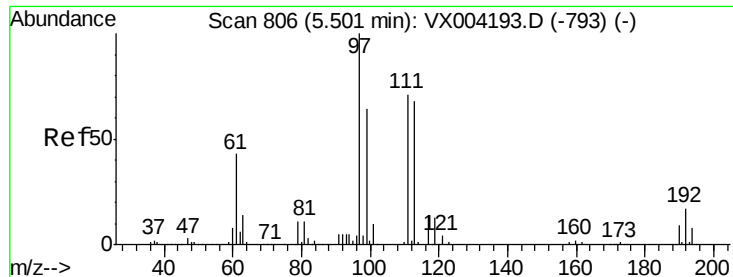
Tot Ion: 65 Resp: 189517  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004297.D  
 Acq: 29 Aug 2018 17:11

Tgt Ion: 114 Resp: 414147  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 39.0  
 88 15.5 0.0 30.4

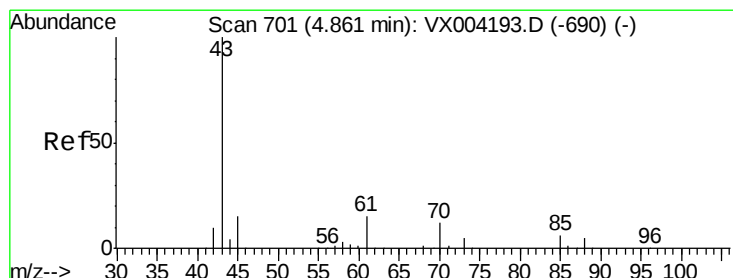
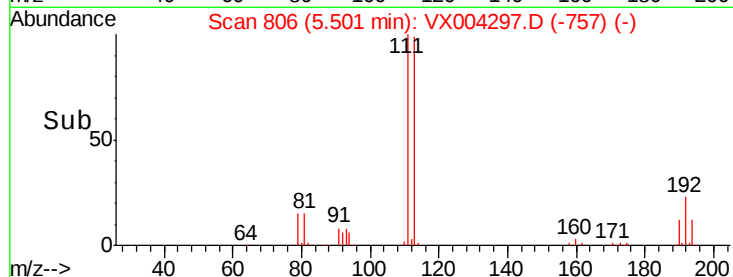
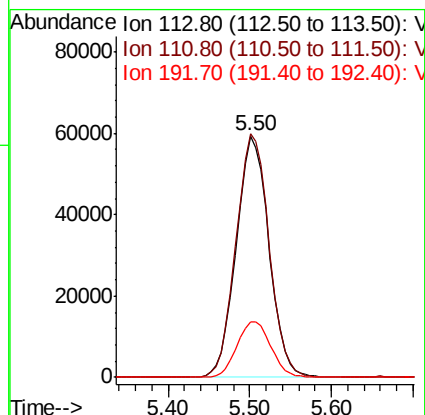
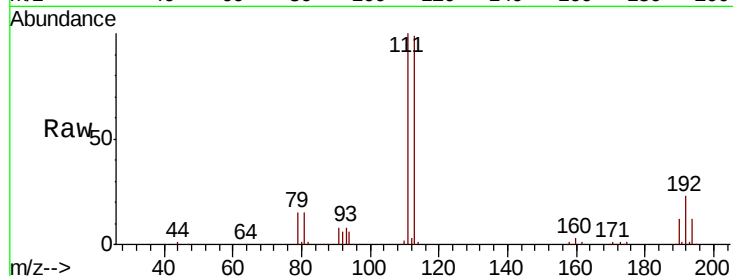




#35  
 Dibromofluoromethane  
 Concen: 53.44 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004297.D  
 Acq: 29 Aug 2018 17:11

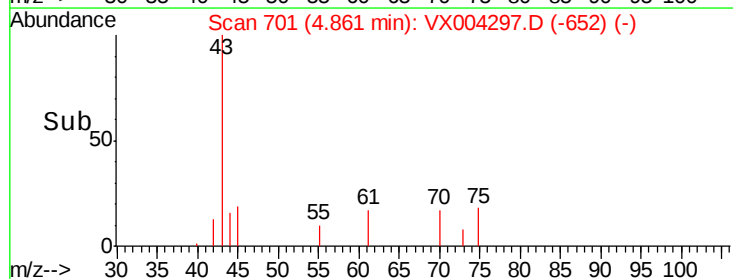
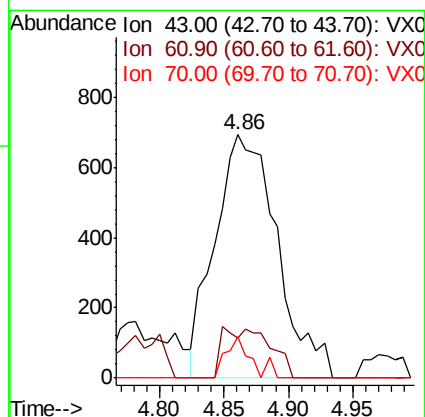
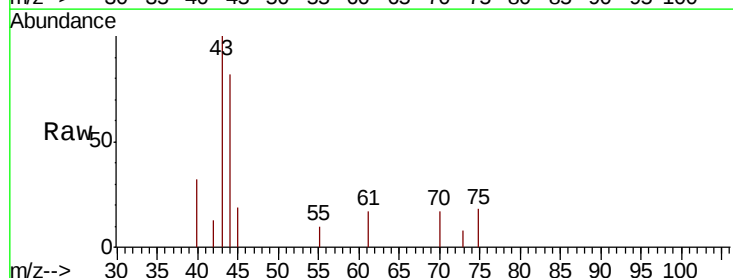
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW09S-M12W4-082318

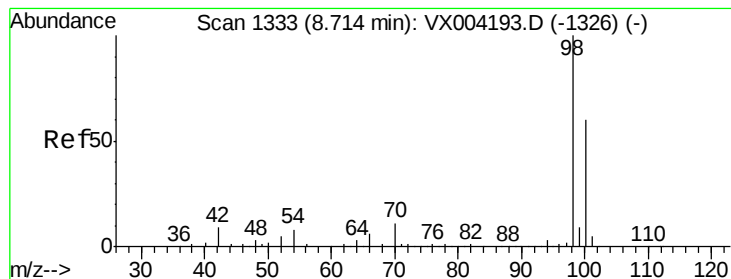
Tot Ion:113 Resp: 164641  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 82.4 123.6  
 192 23.9 19.4 29.2



#37  
 Ethyl Acetate  
 Concen: 0.51 ug/l  
 RT: 4.86 min Scan# 701  
 Delta R.T. -0.00 min  
 Lab File: VX004297.D  
 Acq: 29 Aug 2018 17:11

Tgt Ion: 43 Resp: 2325  
 Ion Ratio Lower Upper  
 43 100  
 61 6.2 11.5 17.3#  
 70 7.0 9.0 13.6#





#50

Toluene-d8

Concen: 51.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VX004297.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA\_X

ClientSampleId :

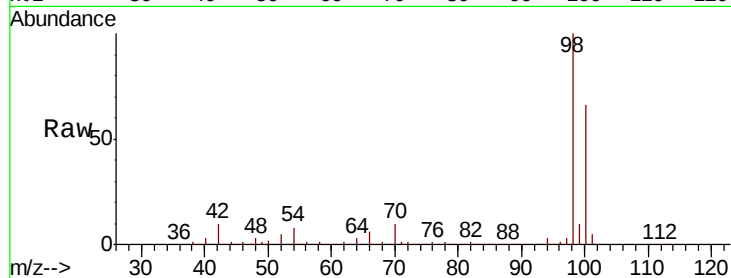
CPA-CPMW09S-M12W4-082318

Tot Ion: 98 Resp: 595800

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

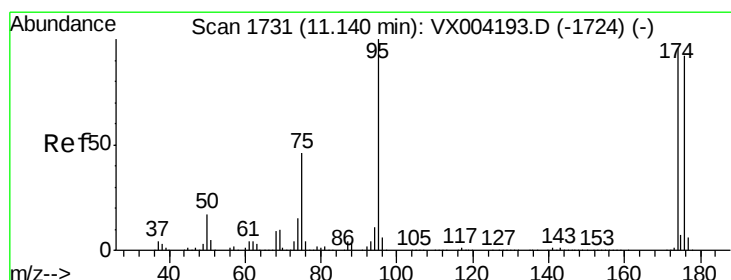
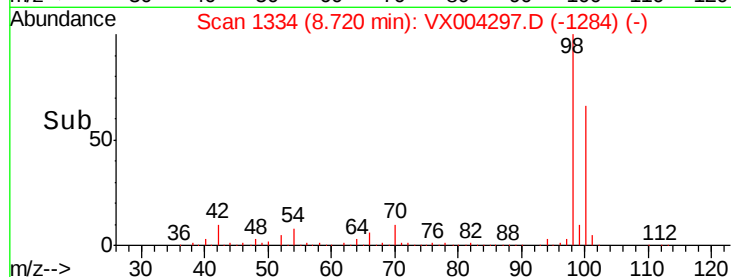
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004297.D

Acq: 29 Aug 2018 17:11

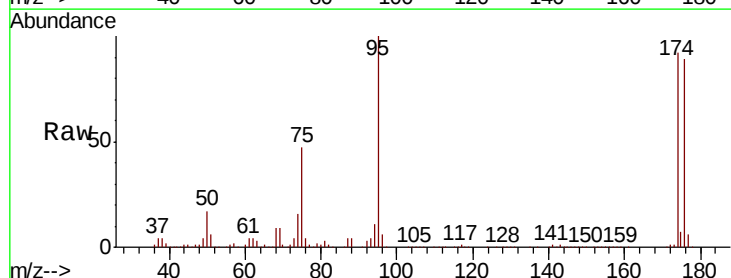
Tgt Ion: 95 Resp: 205983

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

176 90.4 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

11.14

200000

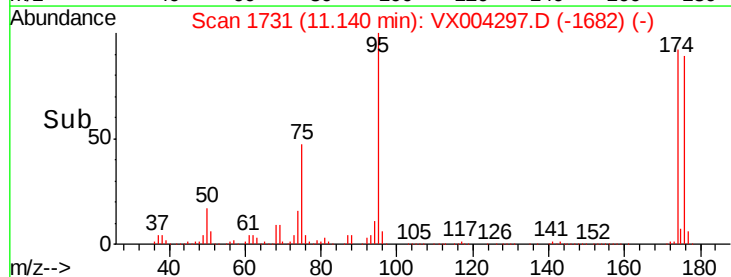
150000

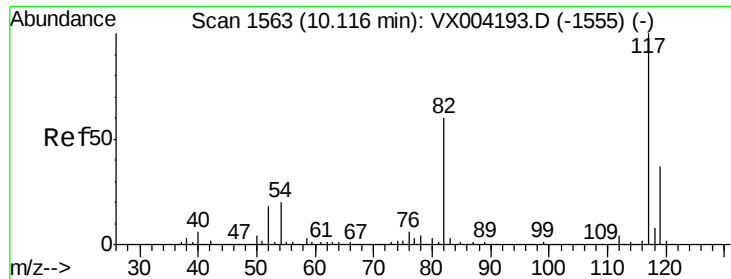
100000

50000

0

Time-->

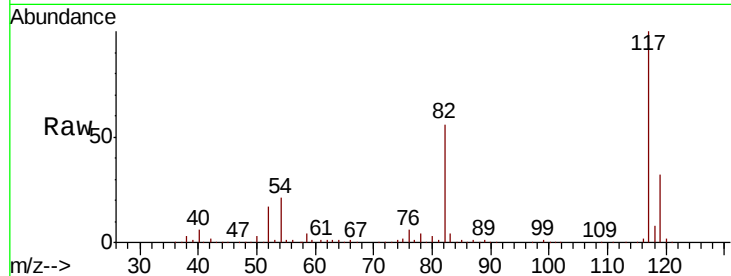




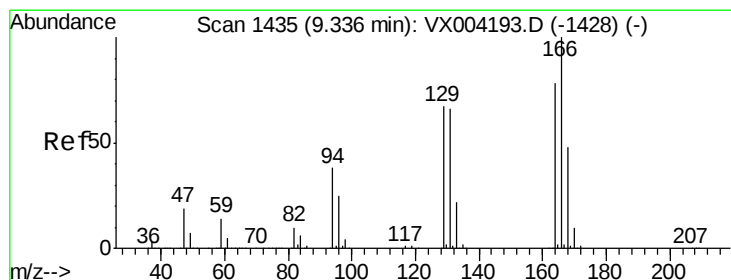
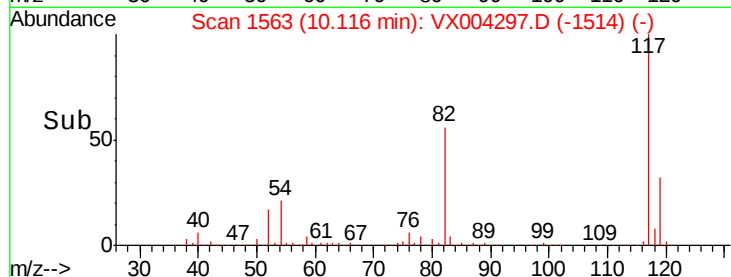
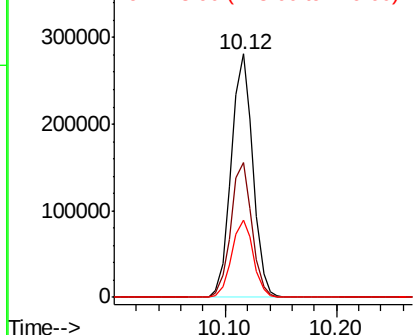
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004297.D  
Acq: 29 Aug 2018 17:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
CPA-CPMW09S-M12W4-082318

Tot Ion:117 Resp: 376350  
Ion Ratio Lower Upper  
117 100  
82 55.5 47.8 71.6  
119 31.7 29.3 43.9

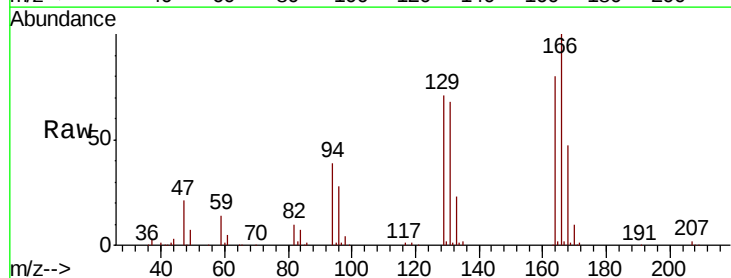


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

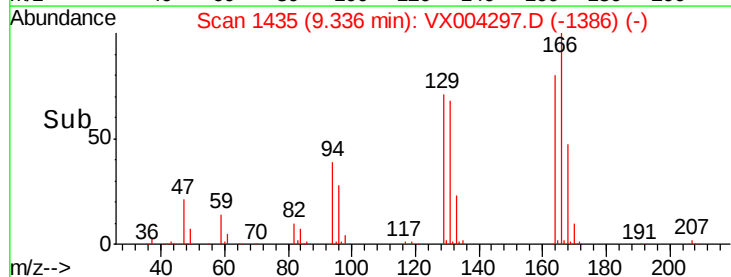
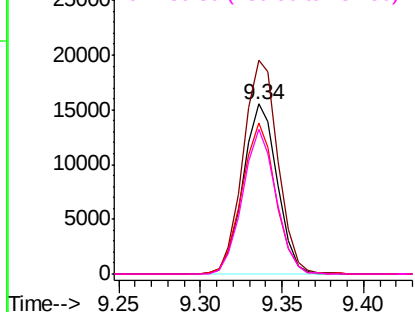


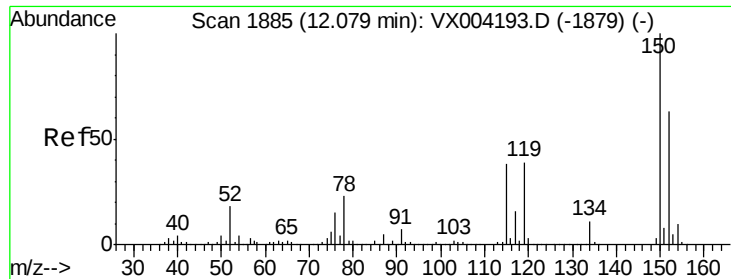
#64  
Tetrachloroethene  
Concen: 6.09 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: VX004297.D  
Acq: 29 Aug 2018 17:11

Tgt Ion:164 Resp: 22626  
Ion Ratio Lower Upper  
164 100  
166 125.6 102.8 154.2  
129 89.1 69.4 104.0  
131 85.0 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004297.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA\_X

ClientSampleId :

CPA-CPMW09S-M12W4-082318

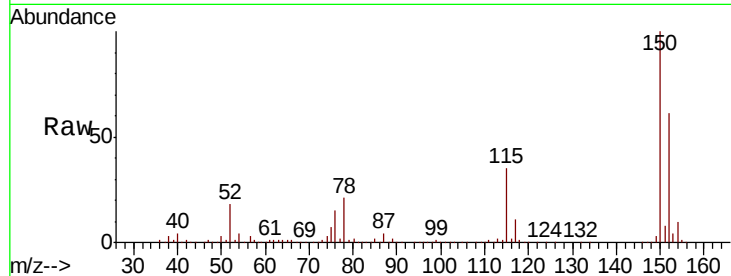
Tot Ion:152 Resp: 202545

Ion Ratio Lower Upper

152 100

115 56.6 39.0 117.0

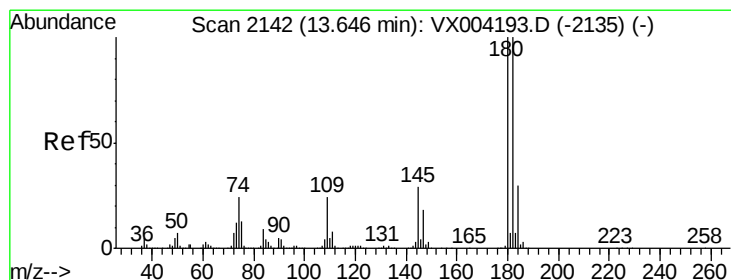
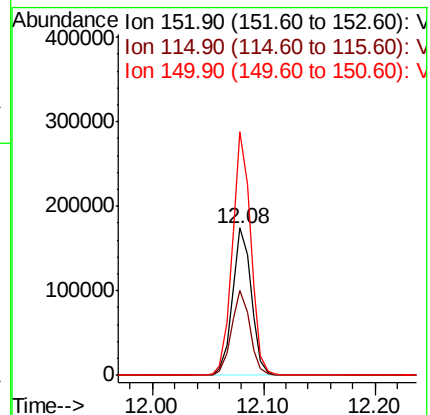
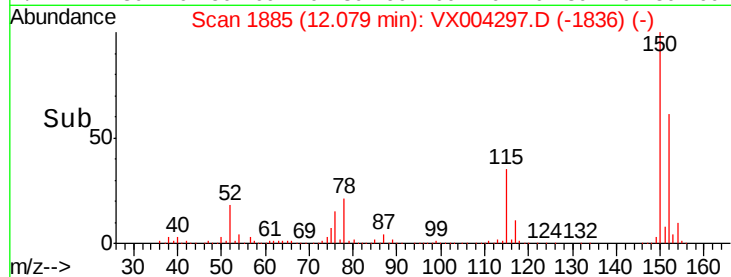
150 161.8 0.0 351.0



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



#93

1,2,4-Trichlorobenzene

Concen: 0.67 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004297.D

Acq: 29 Aug 2018 17:11

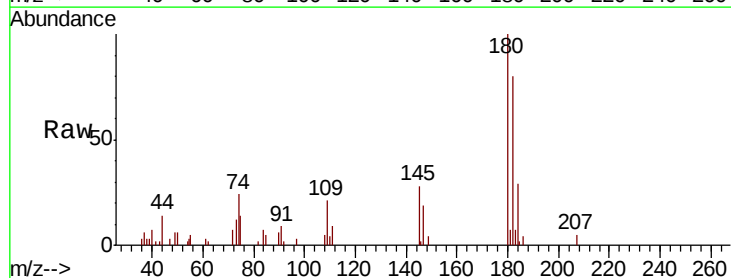
Tgt Ion:180 Resp: 3140

Ion Ratio Lower Upper

180 100

182 91.5 48.4 145.0

145 28.5 14.3 42.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

