

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
 Data File : VX008086.D  
 Acq On : 14 Mar 2019 22:53  
 Operator : JC/SP  
 Sample : K1829-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW10S-M20W2-030519

Quant Time: Mar 15 05:19:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 03:56:35 2019  
 Response via : Initial Calibration

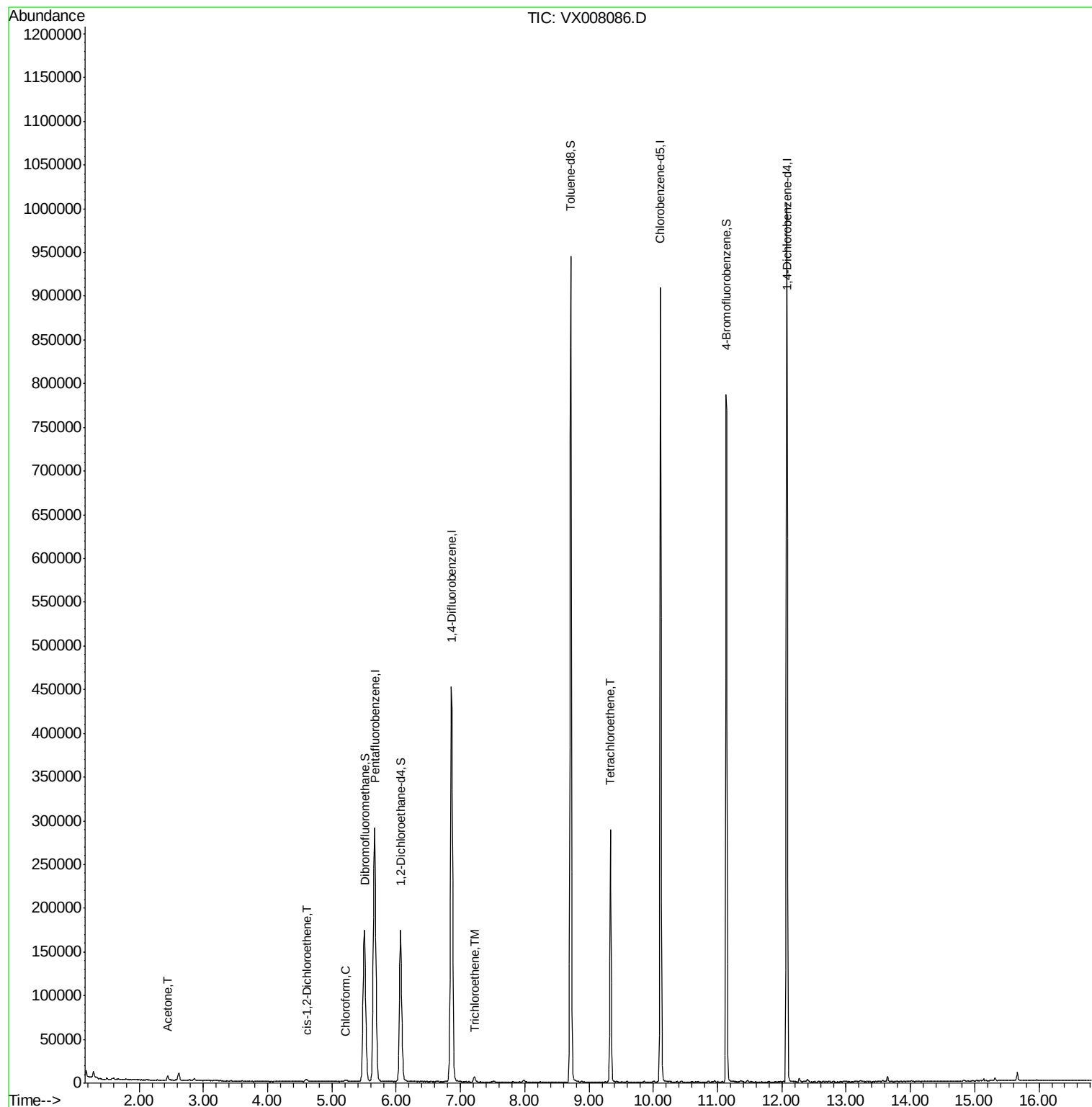
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 312946   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 483000   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 454910   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 225735   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 157477   | 49.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.76%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 152772   | 49.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.76%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 577127   | 49.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.08%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 214476   | 51.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.78% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 5898     | 3.957  | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene  | 4.61  | 96   | 1443     | 0.472  | ug/l    | 99       |
| 30) Chloroform              | 5.21  | 83   | 1840     | 0.384  | ug/l    | 99       |
| 44) Trichloroethene         | 7.21  | 130  | 2693     | 0.767  | ug/l    | 94       |
| 64) Tetrachloroethene       | 9.34  | 164  | 60709    | 16.471 | ug/l    | 97       |

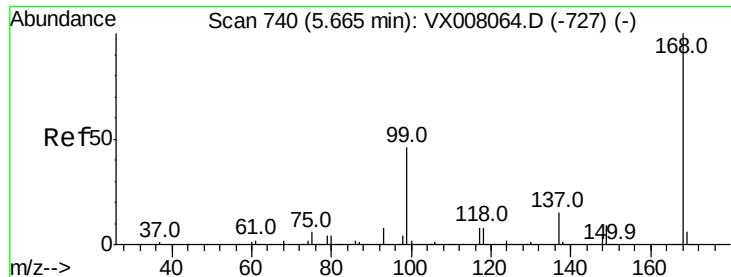
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 15 03:56:35 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA\_X

ClientSampleId :

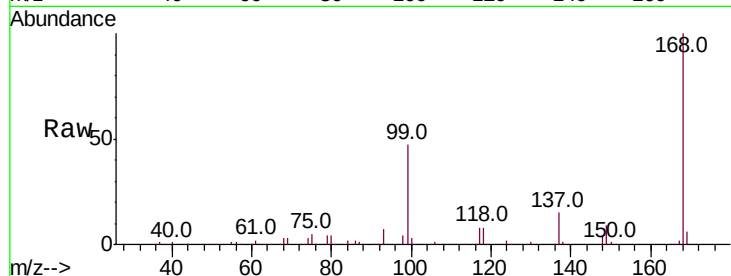
CPA-CPMW10S-M20W2-030519

Tot Ion:168 Resp: 312946

Ion Ratio Lower Upper

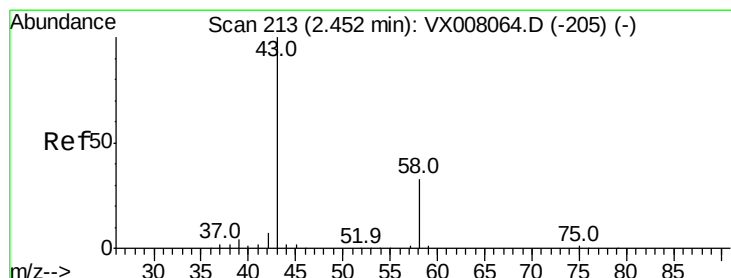
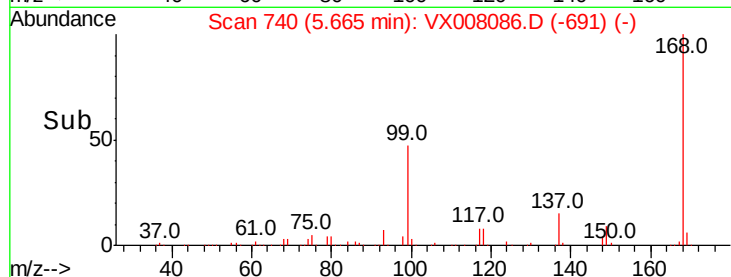
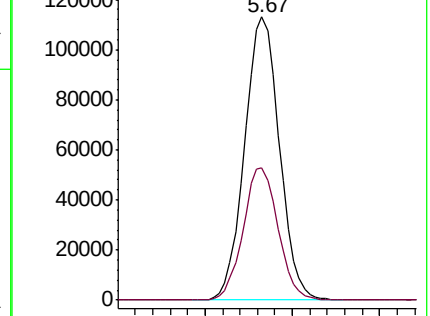
168 100

99 46.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.957 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008086.D

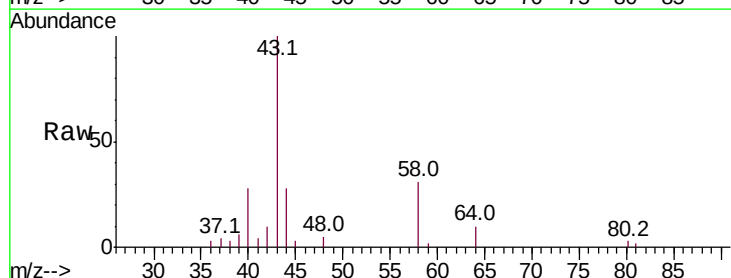
Acq: 14 Mar 2019 22:53

Tgt Ion: 43 Resp: 5898

Ion Ratio Lower Upper

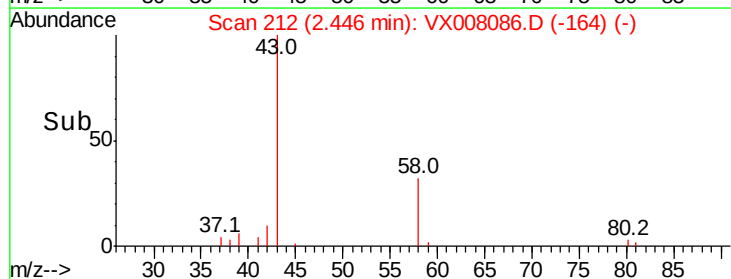
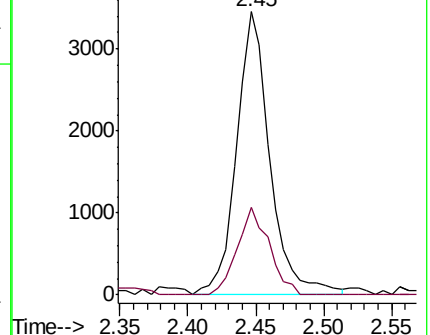
43 100

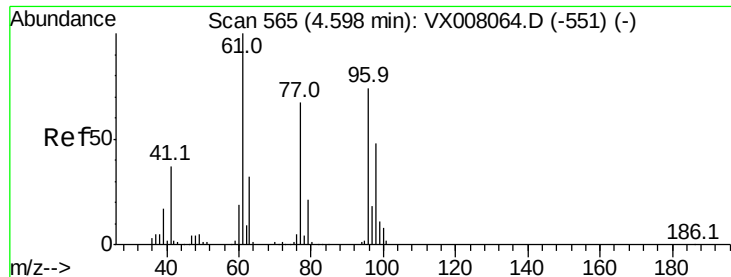
58 30.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



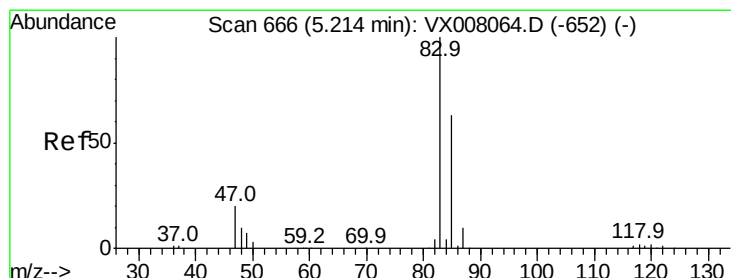
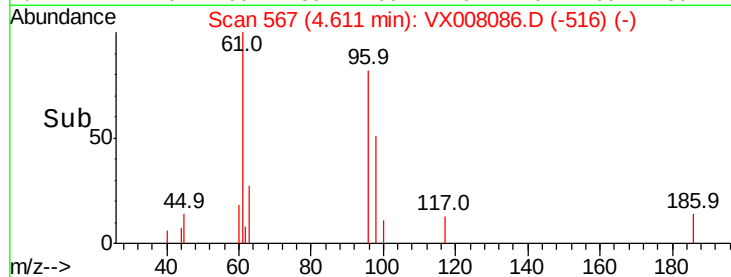
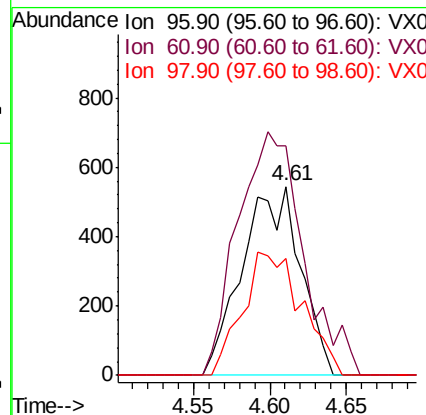
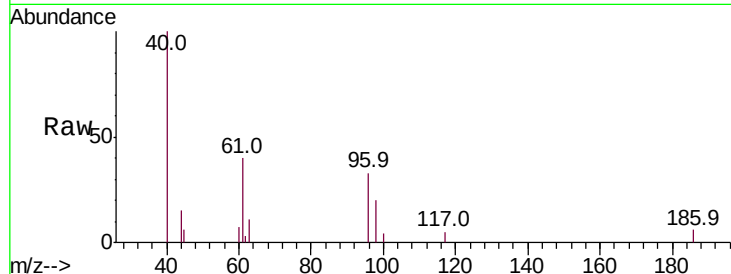


#27

cis-1,2-Dichloroethene  
 Concen: 0.472 ug/l  
 RT: 4.61 min Scan# 567  
 Delta R.T. 0.01 min  
 Lab File: VX008086.D  
 Acq: 14 Mar 2019 22:53

Instrument :  
 MSVOA\_X  
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 CPA-CPMW10S-M20W2-030519

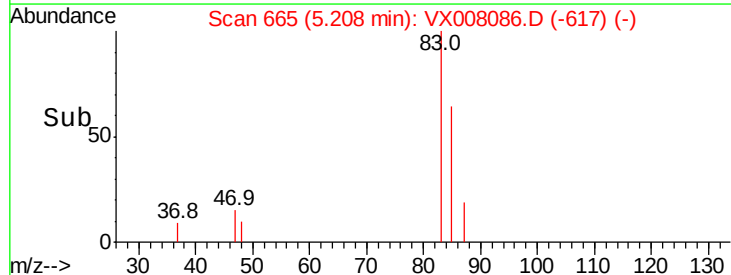
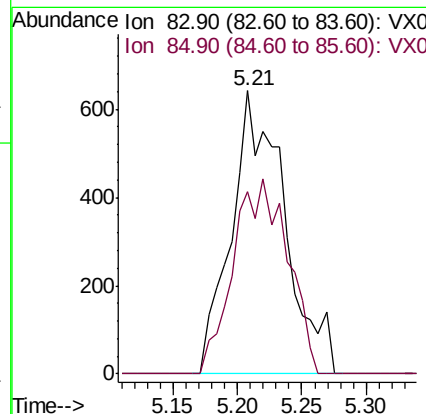
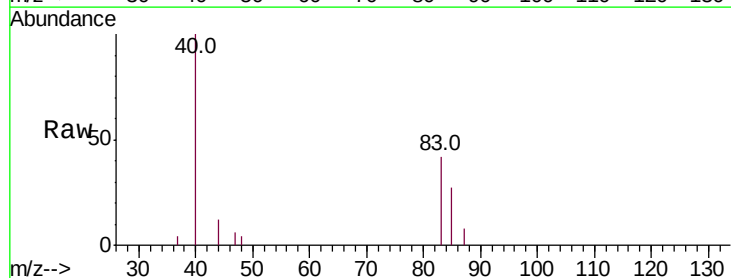
Tot Ion: 96 Resp: 1443  
 Ion Ratio Lower Upper  
 96 100  
 61 144.8 0.0 288.0  
 98 66.3 0.0 129.0

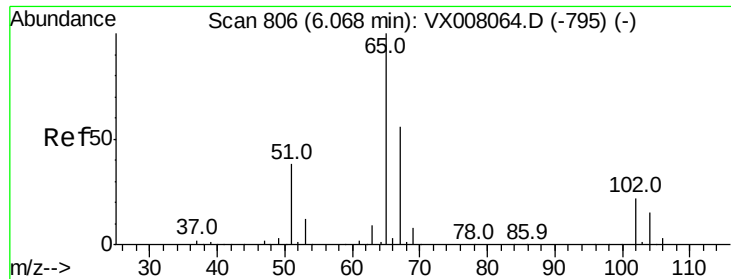


#30

Chloroform  
 Concen: 0.384 ug/l  
 RT: 5.21 min Scan# 665  
 Delta R.T. -0.01 min  
 Lab File: VX008086.D  
 Acq: 14 Mar 2019 22:53

Tgt Ion: 83 Resp: 1840  
 Ion Ratio Lower Upper  
 83 100  
 85 64.2 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 49.885 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA\_X

ClientSampleId :

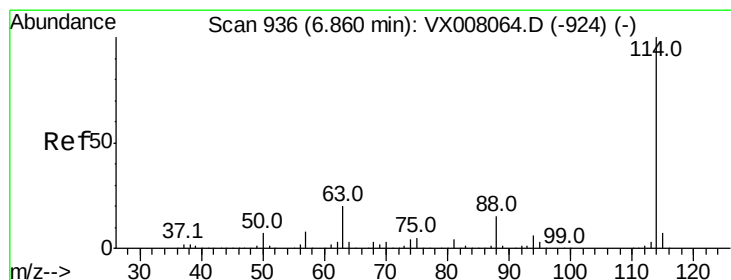
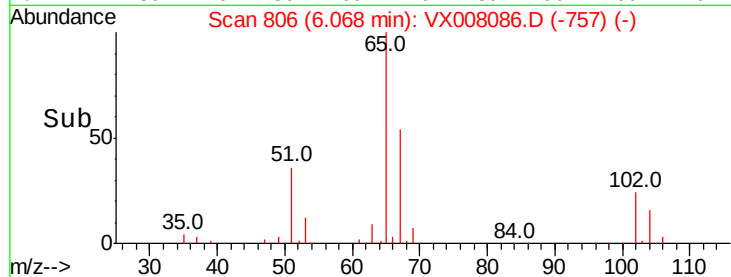
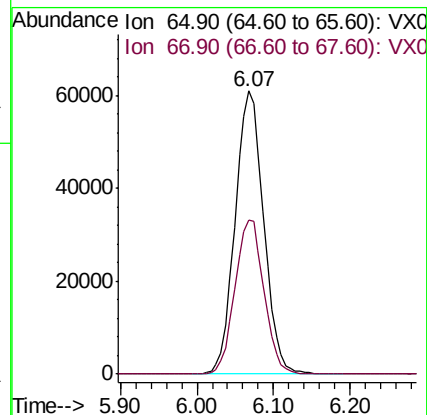
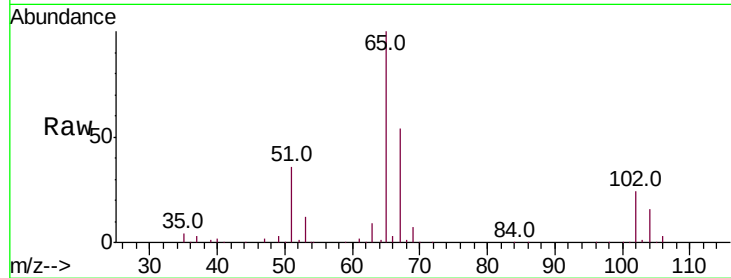
CPA-CPMW10S-M20W2-030519

Tot Ion: 65 Resp: 157477

Ion Ratio Lower Upper

65 100

67 55.5 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

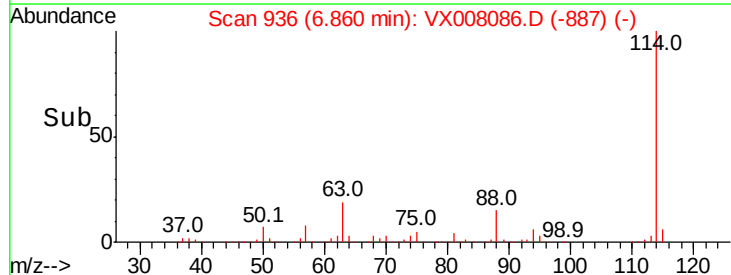
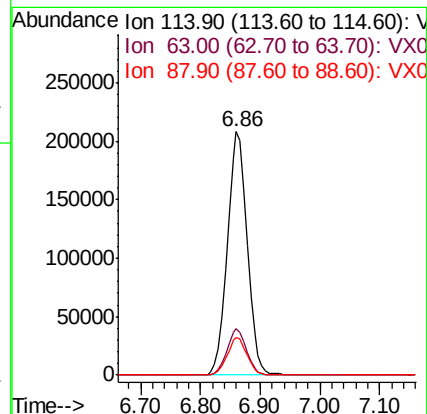
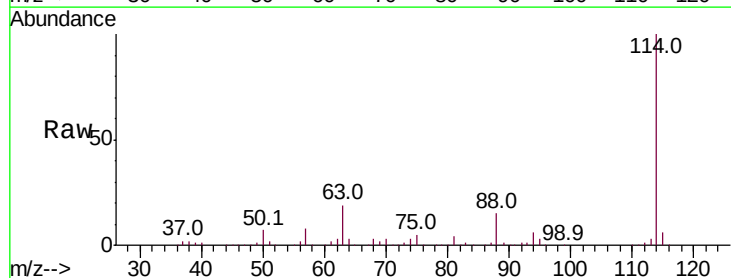
Tgt Ion: 114 Resp: 483000

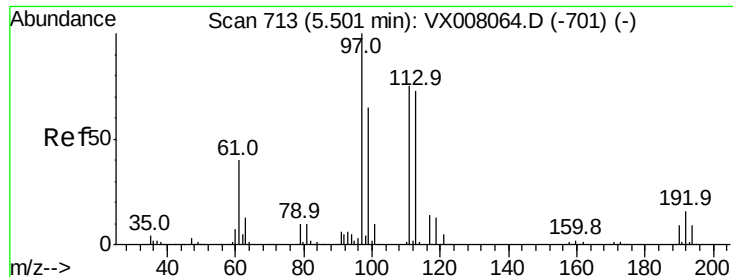
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

88 15.4 0.0 31.4

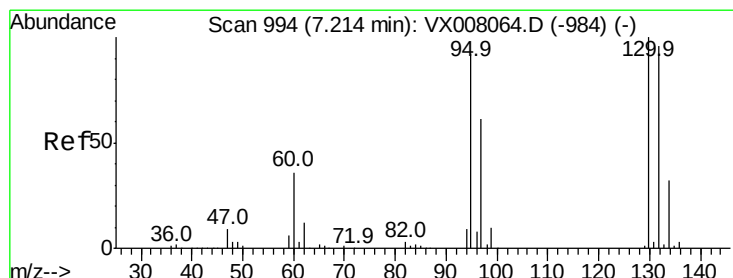
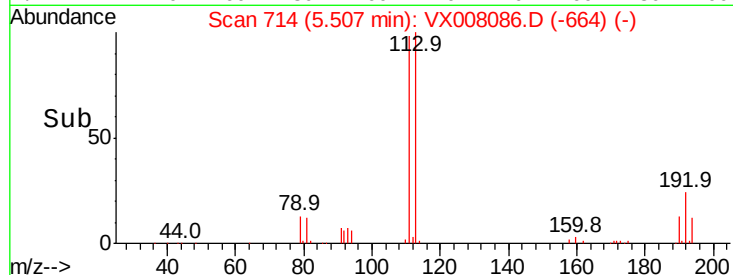
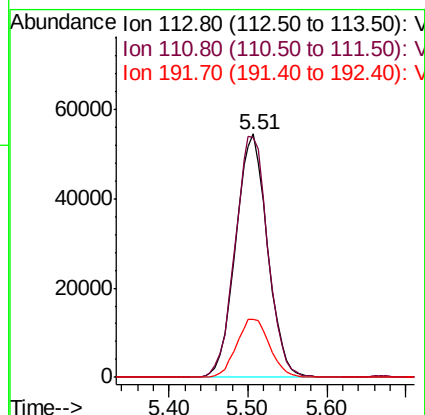
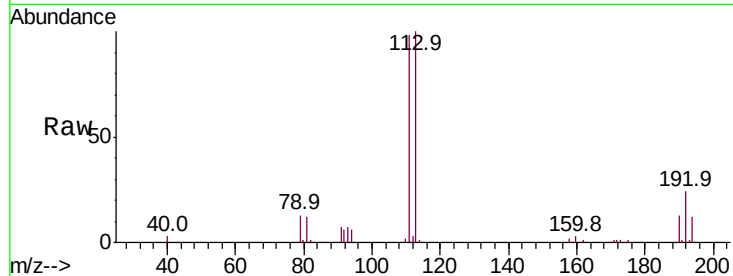




#35  
 Dibromofluoromethane  
 Concen: 49.878 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VX008086.D  
 Acq: 14 Mar 2019 22:53

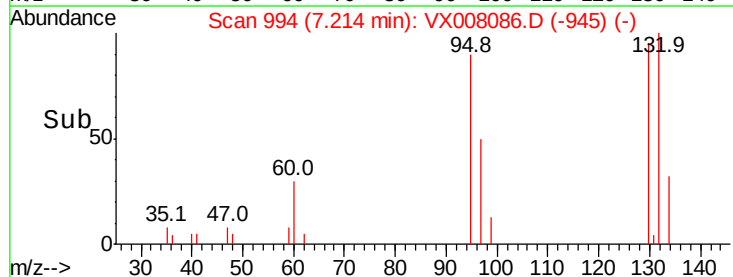
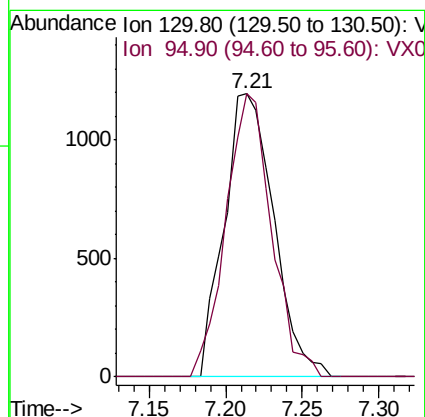
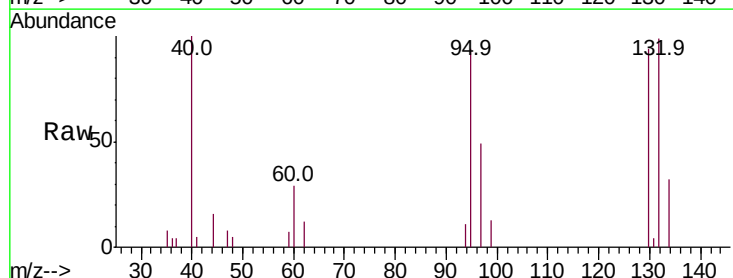
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW10S-M20W2-030519

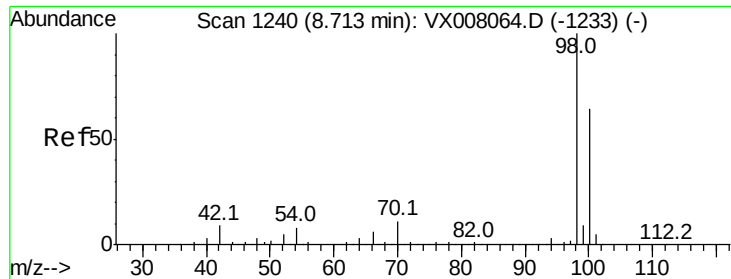
Tot Ion:113 Resp: 152772  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.4 122.0  
 192 24.9 19.4 29.0



#44  
 Trichloroethene  
 Concen: 0.767 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX008086.D  
 Acq: 14 Mar 2019 22:53

Tgt Ion:130 Resp: 2693  
 Ion Ratio Lower Upper  
 130 100  
 95 99.9 0.0 188.0





#50

Toluene-d8

Concen: 49.542 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA\_X

ClientSampleId :

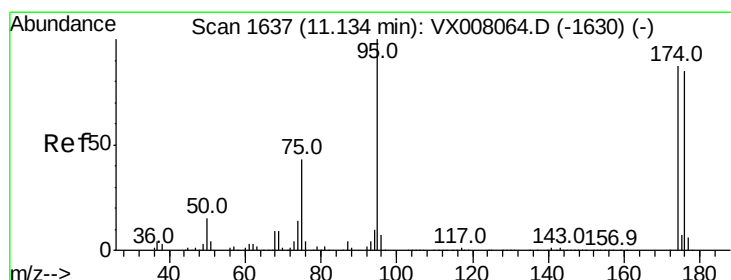
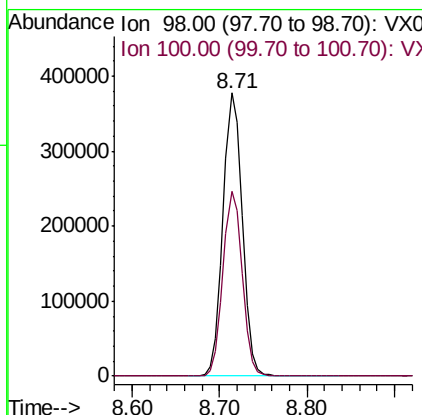
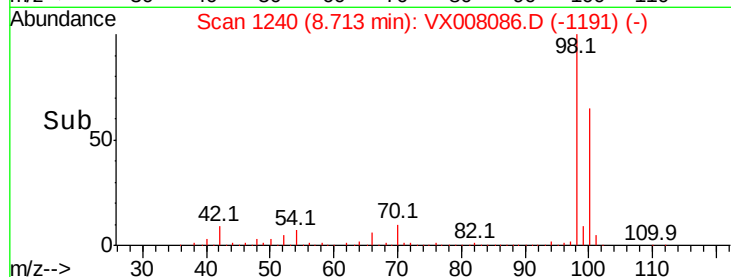
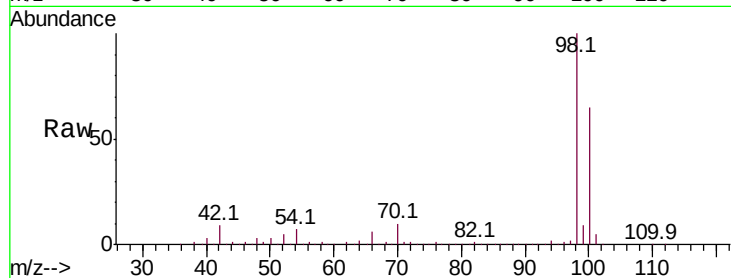
CPA-CPMW10S-M20W2-030519

Tot Ion: 98 Resp: 577127

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 51.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

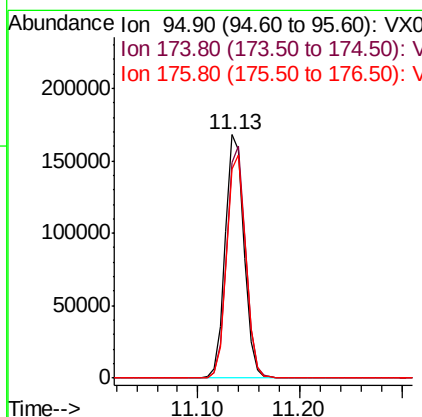
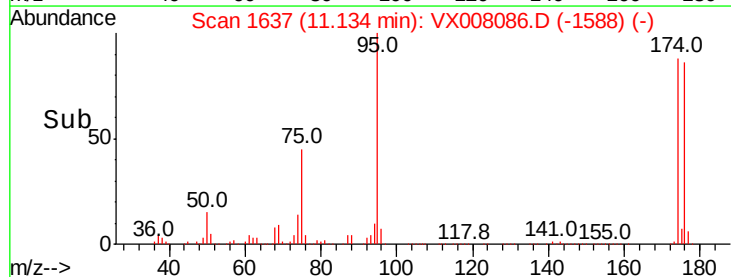
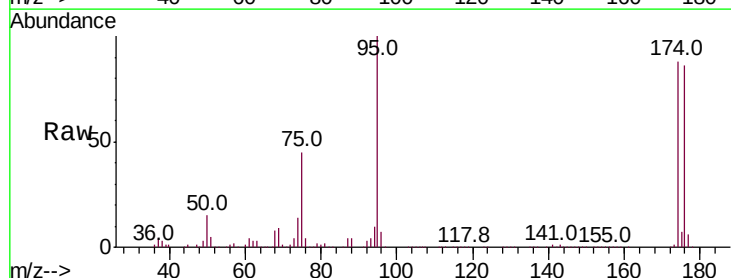
Tgt Ion: 95 Resp: 214476

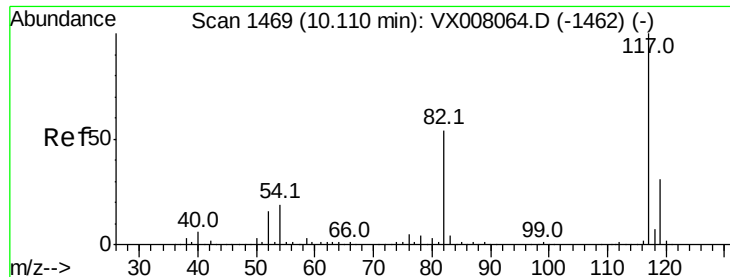
Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.8

176 92.4 0.0 178.0

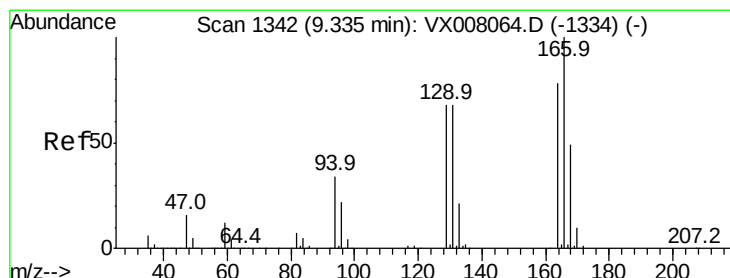
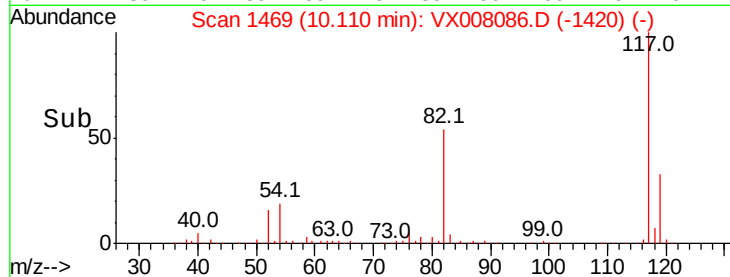
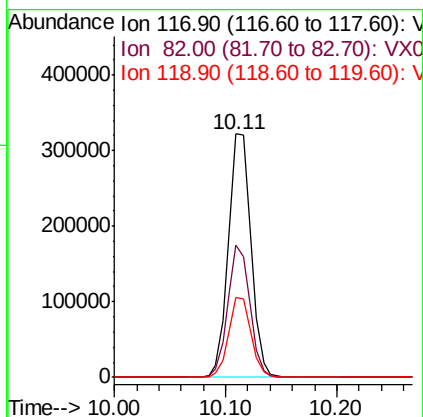
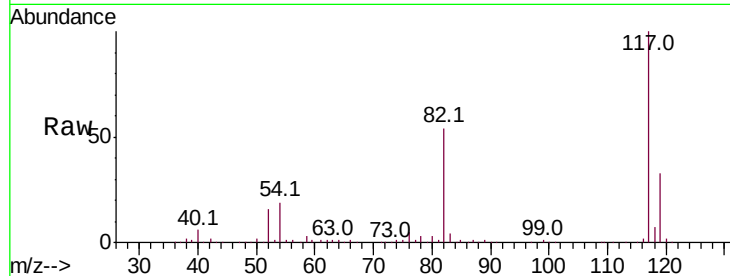




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008086.D  
Acq: 14 Mar 2019 22:53

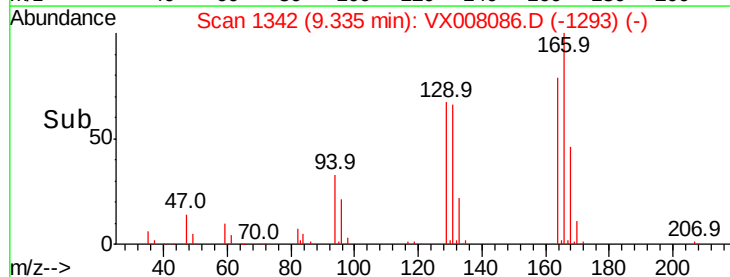
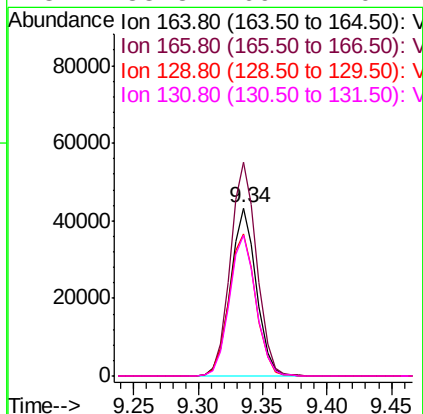
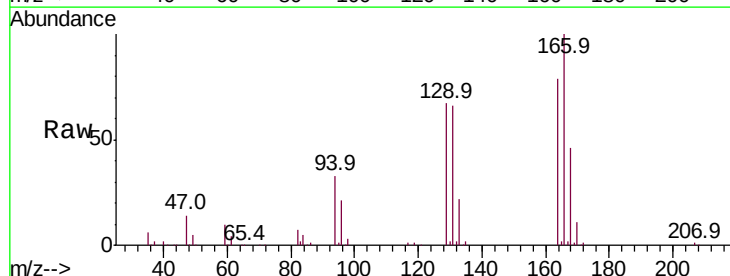
Instrument :  
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CPA-CPMW10S-M20W2-030519

Tot Ion:117 Resp: 454910  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.3 66.5  
119 32.7 25.3 37.9

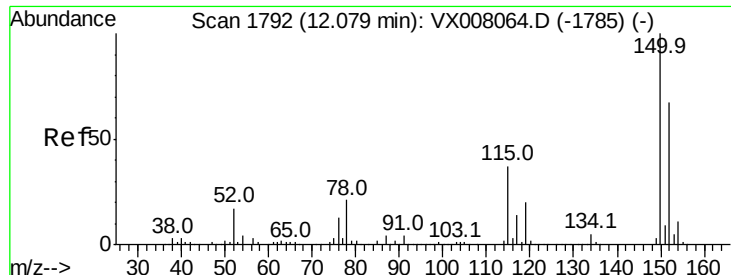


#64  
Tetrachloroethene  
Concen: 16.471 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX008086.D  
Acq: 14 Mar 2019 22:53

Tgt Ion:164 Resp: 60709  
Ion Ratio Lower Upper  
164 100  
166 127.3 103.4 155.0  
129 84.7 72.2 108.4  
131 83.8 69.4 104.2



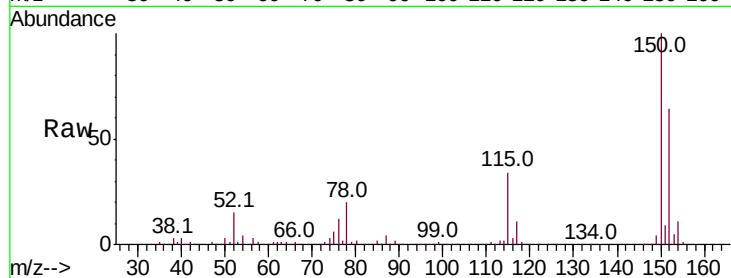




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX008086.D  
 Acq: 14 Mar 2019 22:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW10S-M20W2-030519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 38.6  | 115.7 |
| 150     | 157.3 | 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

