

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\  
 Data File : VX008294.D  
 Acq On : 21 Mar 2019 16:37  
 Operator : JC/SP  
 Sample : K1963-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW30311-20190315

Quant Time: Mar 22 09:31:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 13:15:13 2019  
 Response via : Initial Calibration

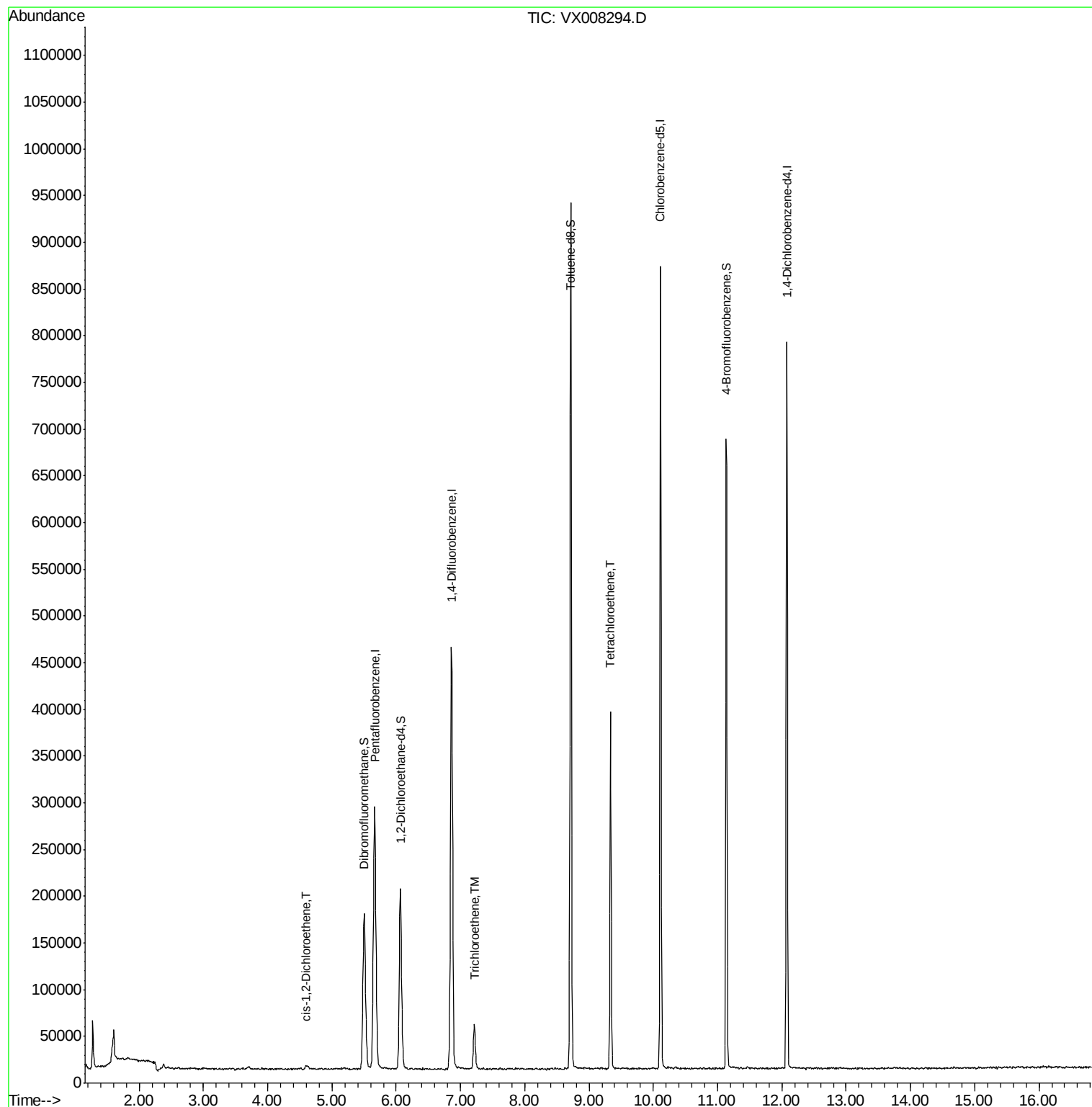
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 265416   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 441672   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 374388   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 153708   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 187408   | 46.88  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.76% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 139492   | 47.18  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.36% |          |
| 50) Toluene-d8              | 8.71  | 98   | 537621   | 47.96  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.92% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 173799   | 45.03  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.06% |          |
| Target Compounds            |       |      |          |        |        |          |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 2692     | 0.679  | ug/l   | 92       |
| 44) Trichloroethene         | 7.21  | 130  | 19430    | 5.221  | ug/l   | 96       |
| 64) Tetrachloroethene       | 9.34  | 164  | 69013    | 20.432 | ug/l   | 97       |

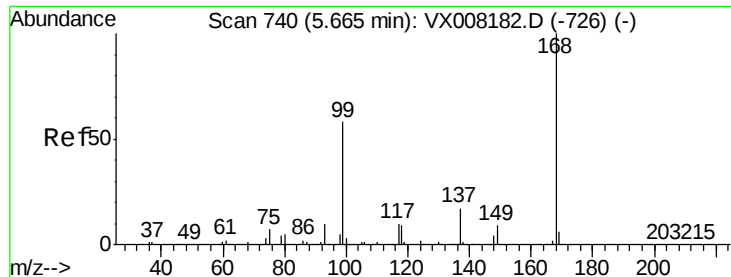
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032119\  
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MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW30311-20190315

Quant Time: Mar 22 09:31:58 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 13:15:13 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: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

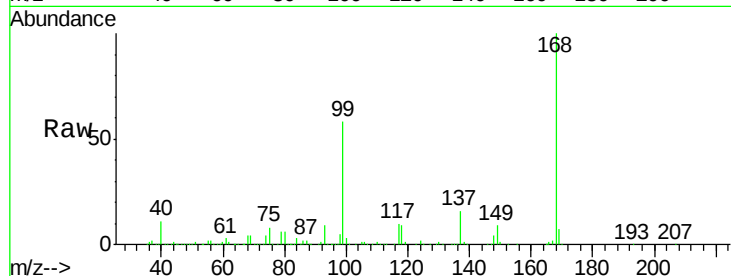
BPS1-TT-MW30311-20190315

Tot Ion:168 Resp: 265416

Ion Ratio Lower Upper

168 100

99 57.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

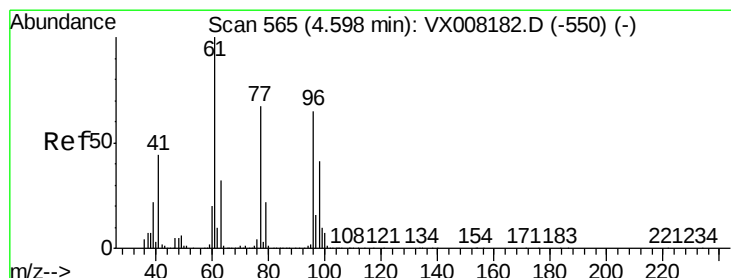
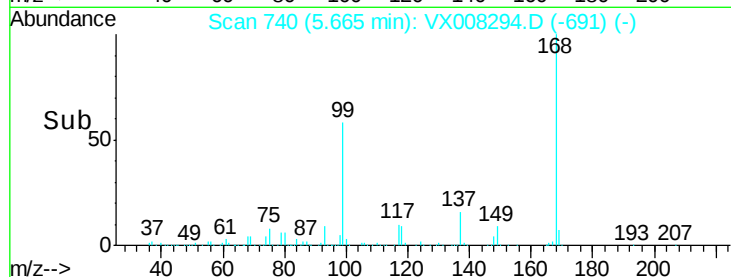
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 0.679 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

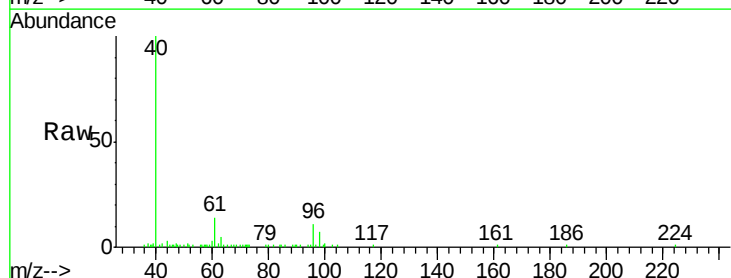
Tgt Ion: 96 Resp: 2692

Ion Ratio Lower Upper

96 100

61 129.8 0.0 288.0

98 63.6 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

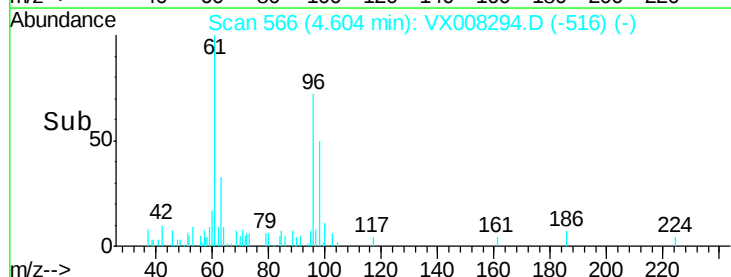
1500

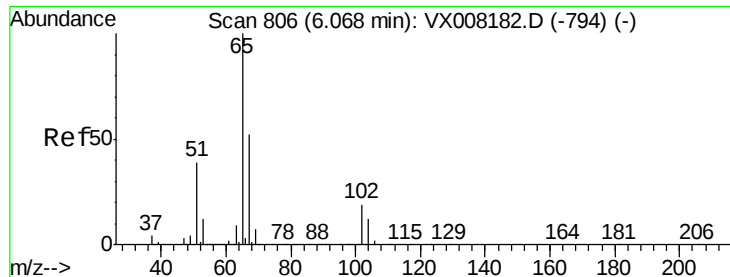
1000

500

0

Time--> 4.50 4.60 4.70





#33

1,2-Dichloroethane-d4

Concen: 46.882 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

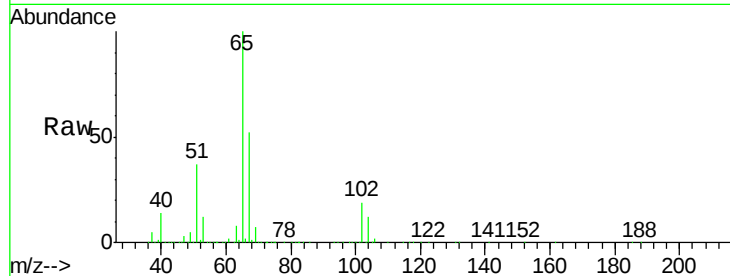
BPS1-TT-MW30311-20190315

Tot Ion: 65 Resp: 187408

Ion Ratio Lower Upper

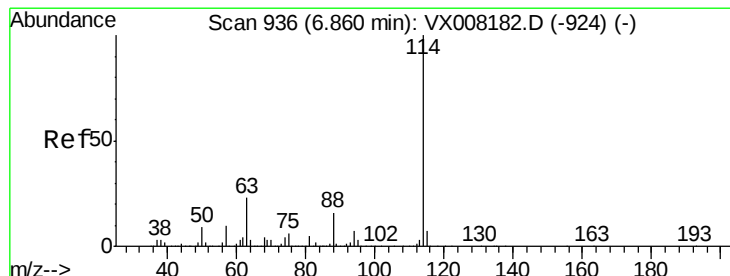
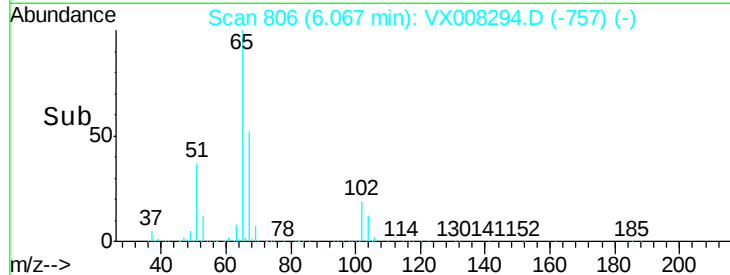
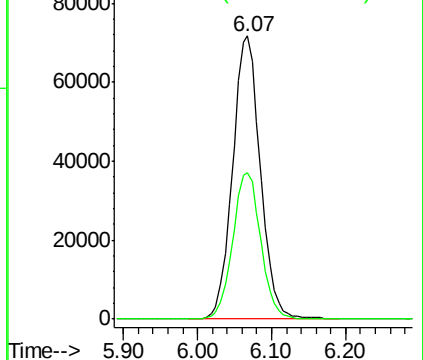
65 100

67 52.3 0.0 110.0



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: VX008294.D

Acq: 21 Mar 2019 16:37

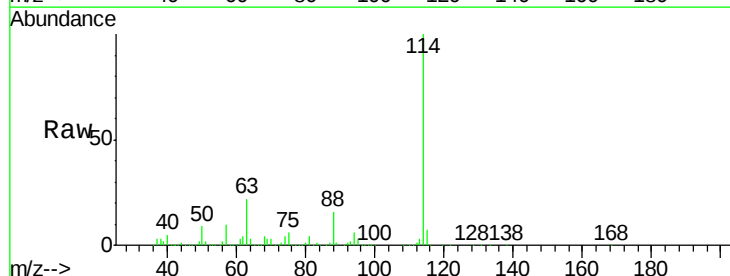
Tgt Ion: 114 Resp: 441672

Ion Ratio Lower Upper

114 100

63 22.2 0.0 39.8

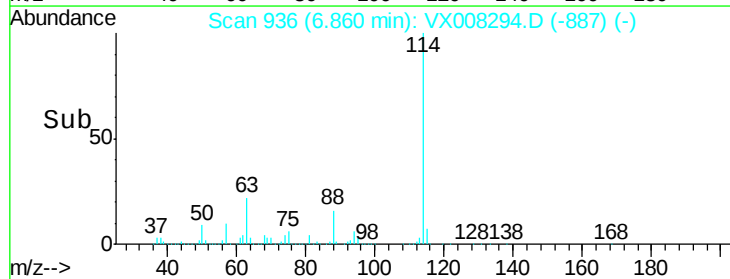
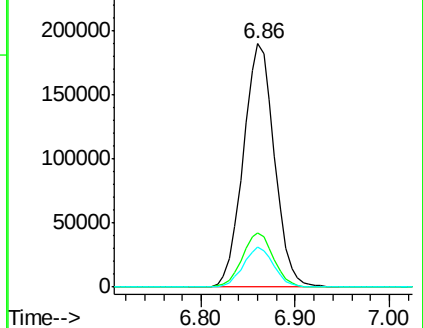
88 16.4 0.0 31.4

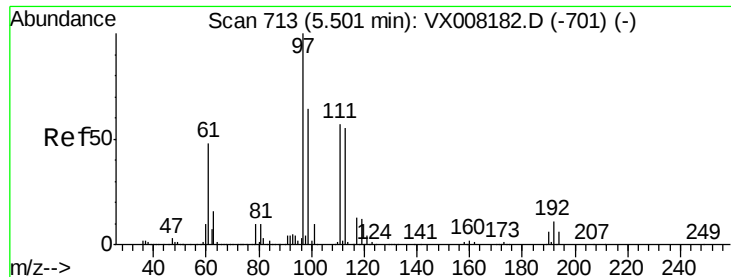


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

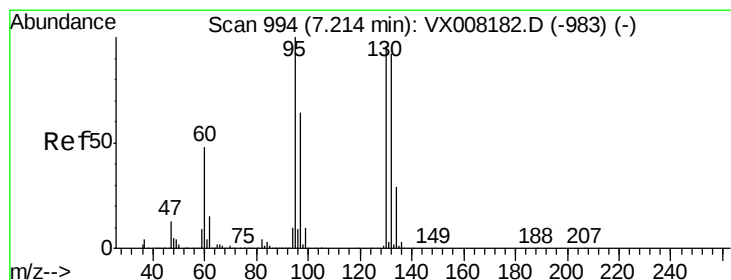
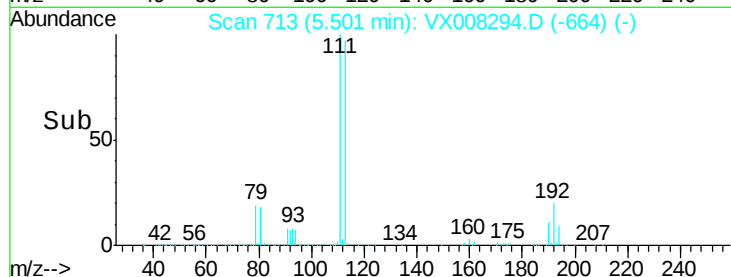
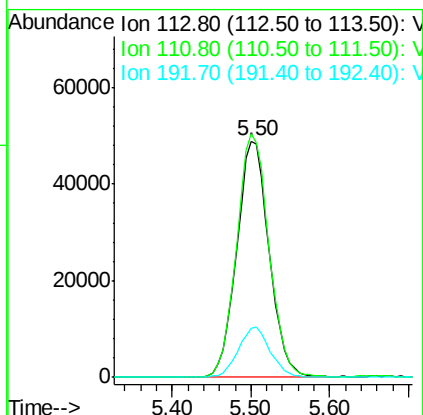
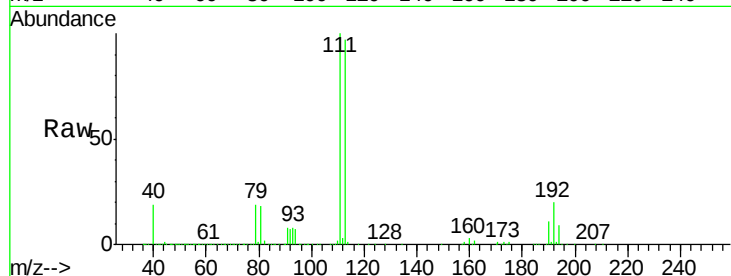




#35  
Dibromofluoromethane  
Concen: 47.178 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX008294.D  
Acq: 21 Mar 2019 16:37

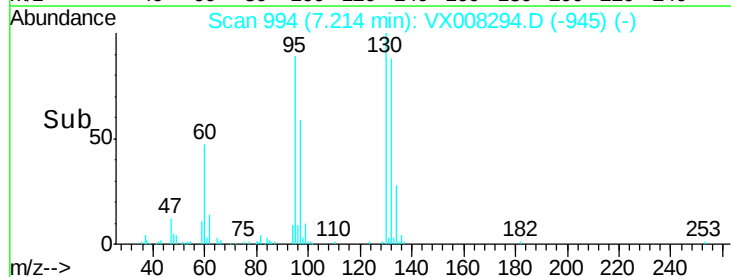
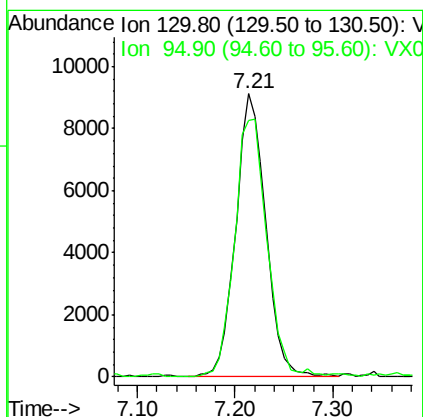
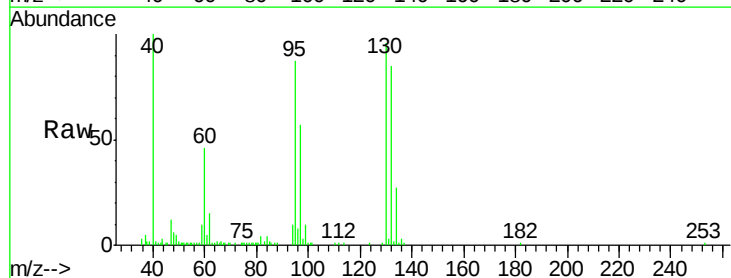
Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW30311-20190315

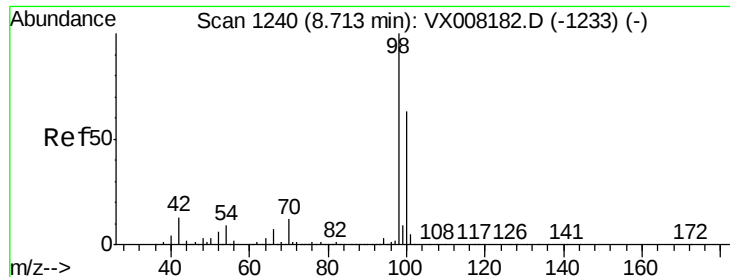
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 81.4  | 122.0 |
| 192     | 21.0  | 19.4  | 29.0  |



#44  
Trichloroethene  
Concen: 5.221 ug/l  
RT: 7.21 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: VX008294.D  
Acq: 21 Mar 2019 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 90.5  | 0.0   | 188.0 |





#50

Toluene-d8

Concen: 47.960 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

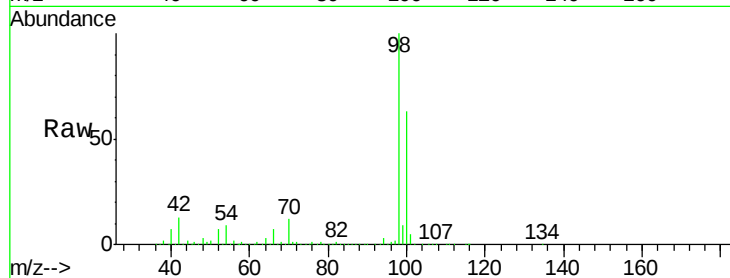
BPS1-TT-MW30311-20190315

Tot Ion: 98 Resp: 537621

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX008182.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008182.D (-1233) (-)

8.71

400000

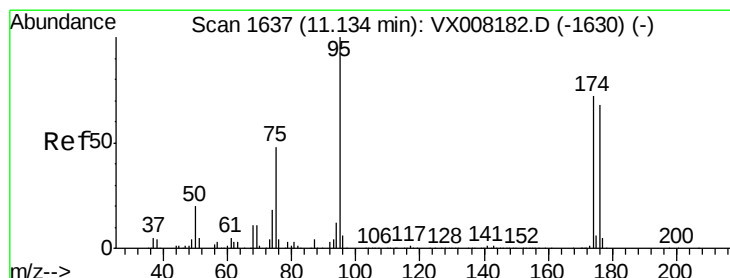
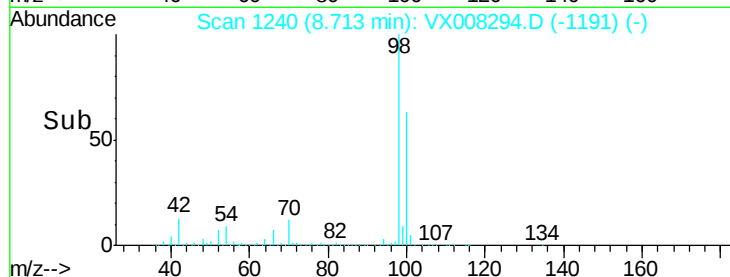
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.028 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008294.D

Acq: 21 Mar 2019 16:37

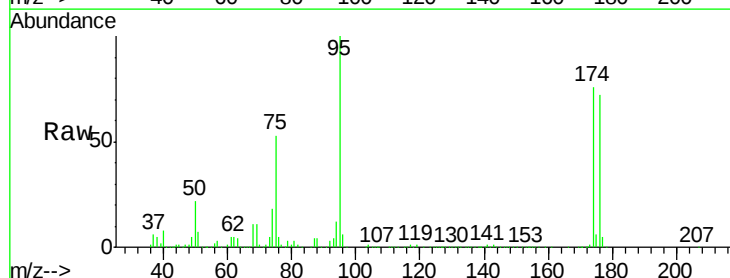
Tgt Ion: 95 Resp: 173799

Ion Ratio Lower Upper

95 100

174 82.0 0.0 182.8

176 78.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008182.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008182.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008182.D (-1630) (-)

11.13

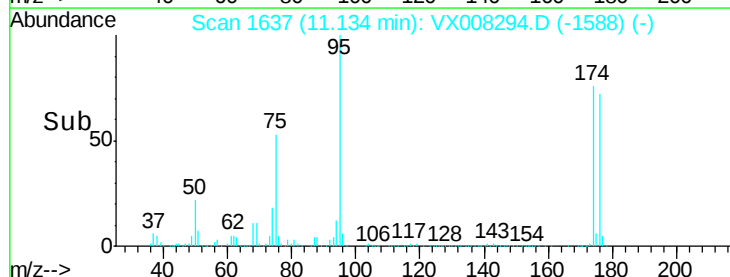
150000

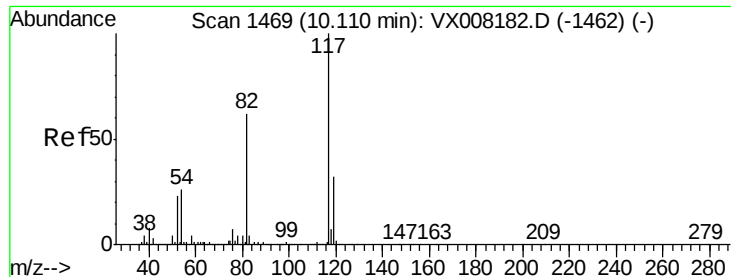
100000

50000

0

Time-->

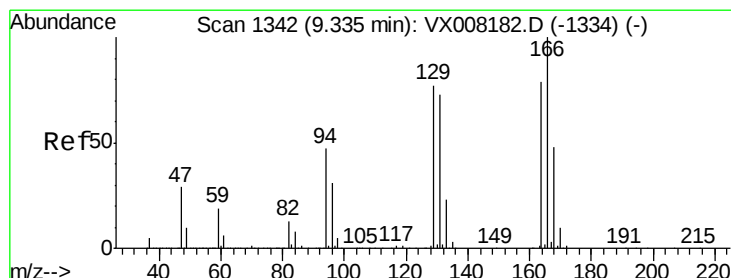
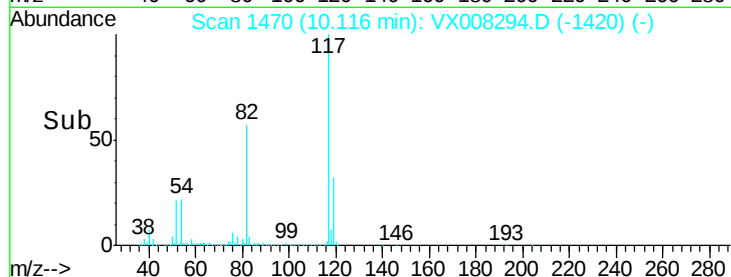
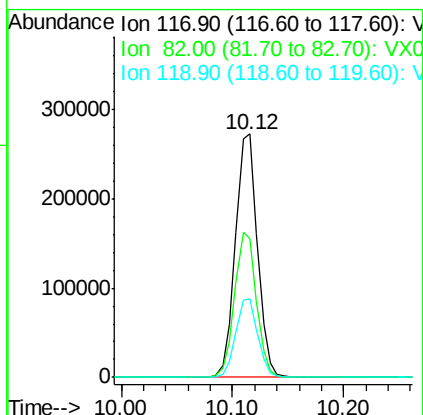
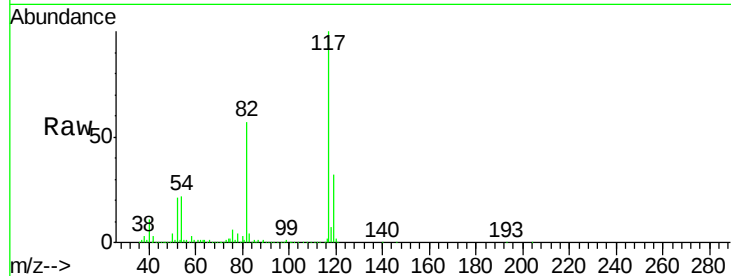




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX008294.D  
Acq: 21 Mar 2019 16:37

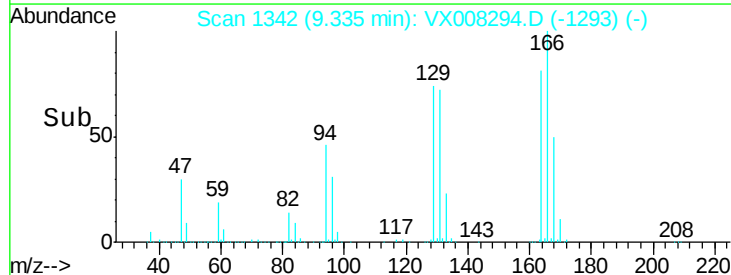
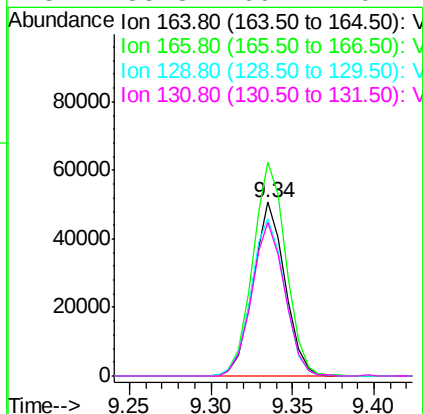
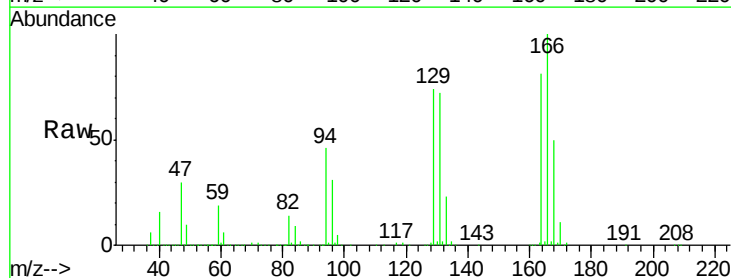
Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW30311-20190315

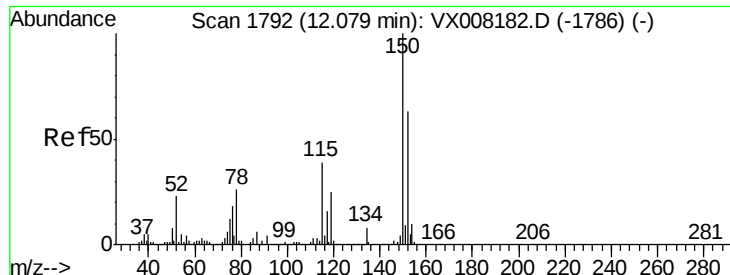
Tot Ion:117 Resp: 374388  
Ion Ratio Lower Upper  
117 100  
82 57.1 44.3 66.5  
119 32.4 25.3 37.9



#64  
Tetrachloroethene  
Concen: 20.432 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008294.D  
Acq: 21 Mar 2019 16:37

Tgt Ion:164 Resp: 69013  
Ion Ratio Lower Upper  
164 100  
166 123.0 103.4 155.0  
129 90.7 72.2 108.4  
131 88.3 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: VX008294.D

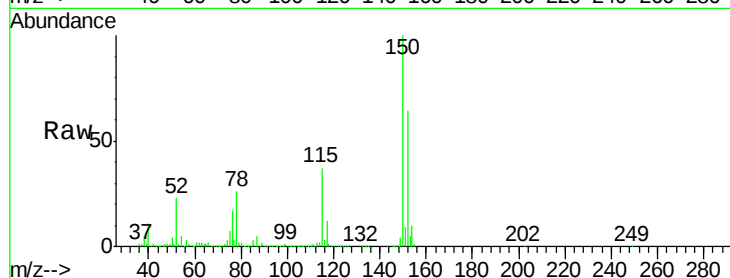
Acq: 21 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW303I1-20190315



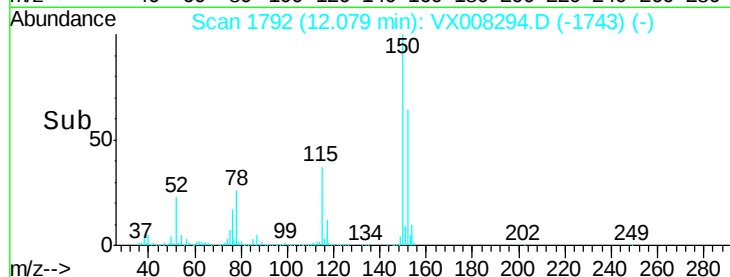
Tot Ion:152 Resp: 153708

Ion Ratio Lower Upper

152 100

115 59.7 38.6 115.7

150 156.6 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

