

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\  
 Data File : VX008373.D  
 Acq On : 24 Mar 2019 00:22  
 Operator : JC/SP  
 Sample : K1900-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW309D-20190313

Quant Time: Mar 25 09:22:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 15:27:34 2019  
 Response via : Initial Calibration

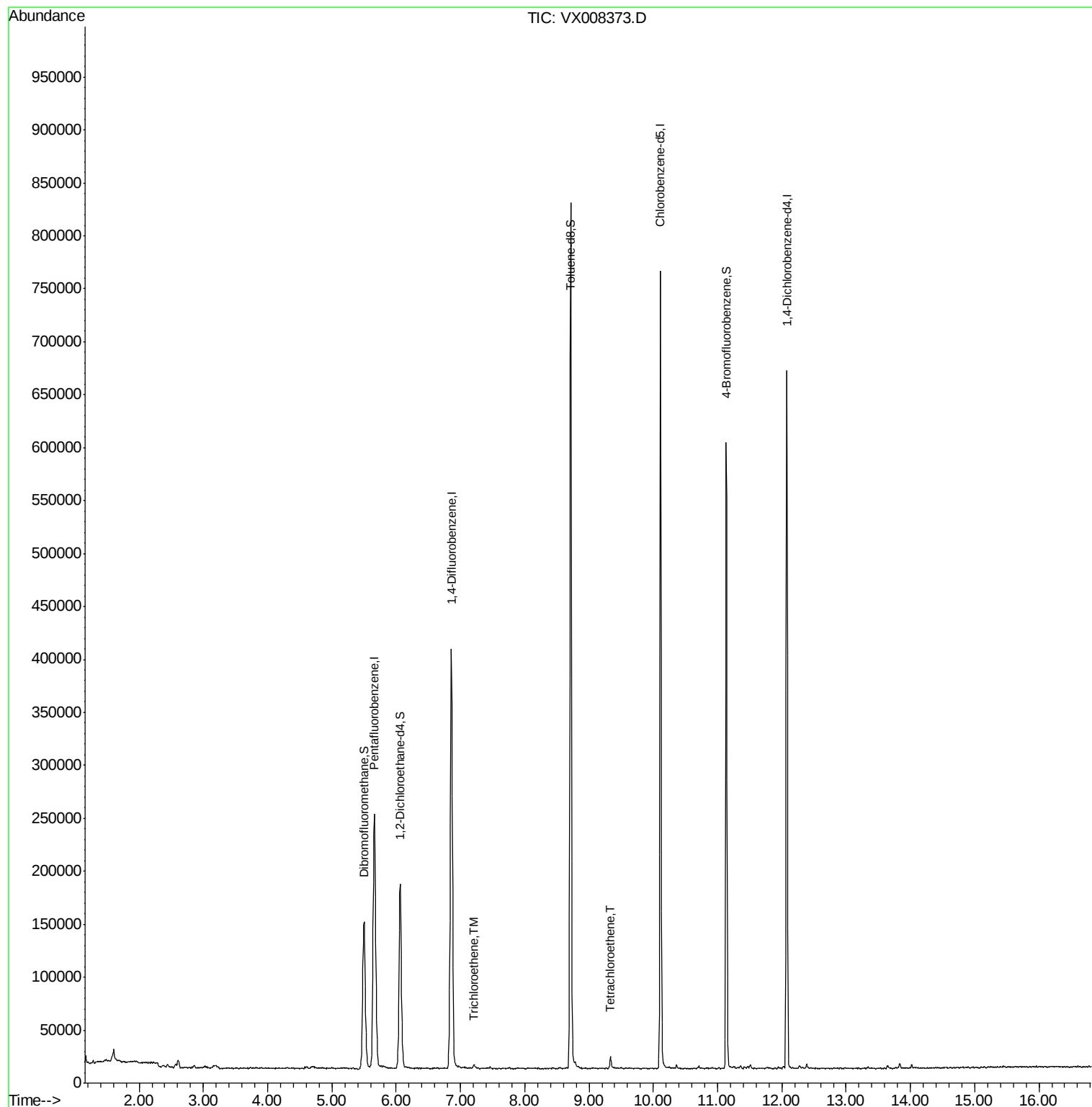
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 223008   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 383482   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 325578   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 132104   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 163946   | 48.20 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.40% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 119393   | 48.05 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.10% |          |
| 50) Toluene-d8              | 8.71  | 98   | 480116   | 48.86 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.72% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 156535   | 43.38 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.76% |          |
| Target Compounds            |       |      |          |       |        |          |
| 44) Trichloroethene         | 7.21  | 130  | 1401     | 0.506 | ug/l   | 86       |
| 64) Tetrachloroethene       | 9.33  | 164  | 1956     | 0.919 | ug/l   | 89       |

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

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Quant Title : SW846 8260  
QLast Update : Sat Mar 23 15:27:34 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008373.D

Acq: 24 Mar 2019 00:22

Instrument :

MSVOA\_X

ClientSampleId :

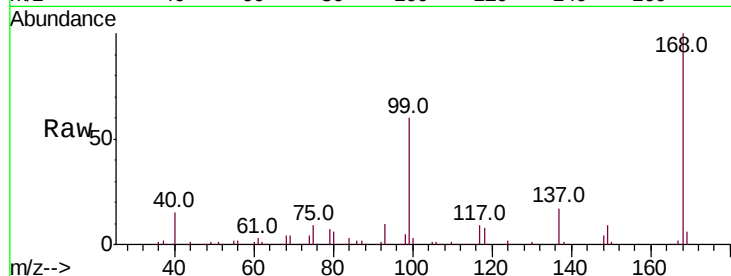
BPS1-TT-MW309D-20190313

Tot Ion:168 Resp: 223008

Ion Ratio Lower Upper

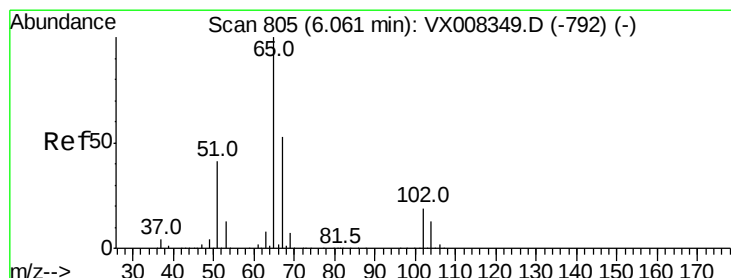
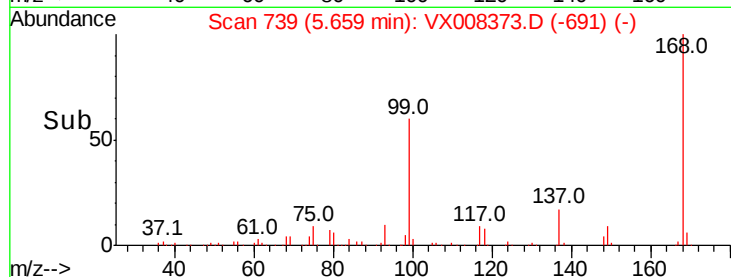
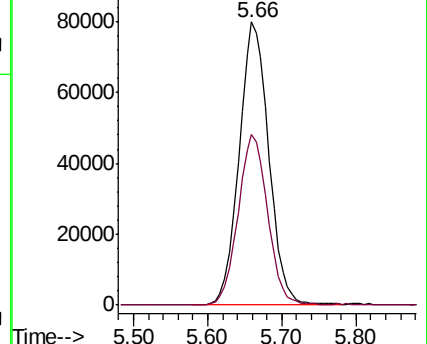
168 100

99 60.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.201 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008373.D

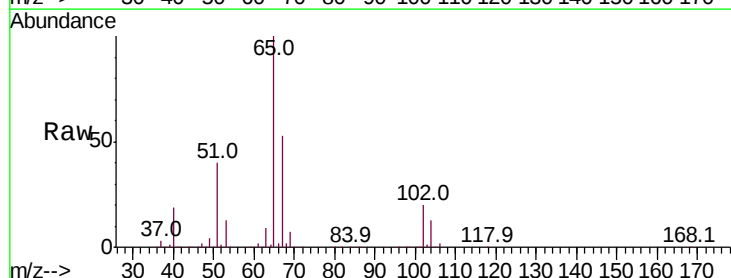
Acq: 24 Mar 2019 00:22

Tgt Ion: 65 Resp: 163946

Ion Ratio Lower Upper

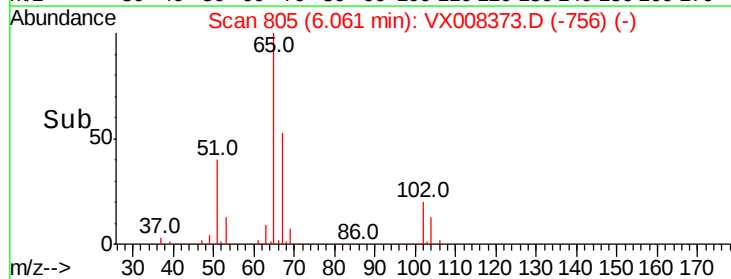
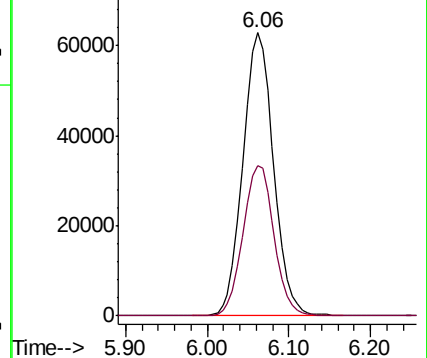
65 100

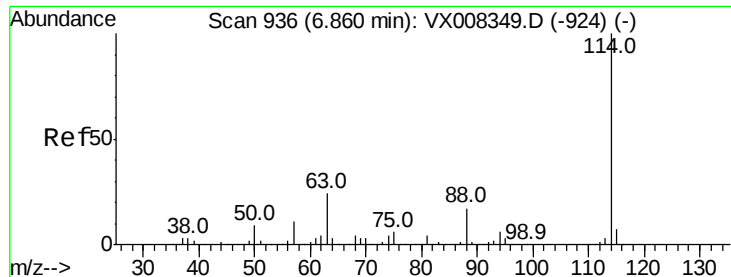
67 53.9 0.0 110.0



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: VX008373.D

Acq: 24 Mar 2019 00:22

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW309D-20190313

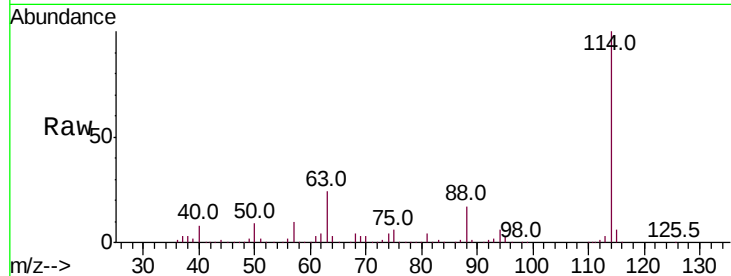
Tot Ion:114 Resp: 383482

Ion Ratio Lower Upper

114 100

63 24.1 0.0 39.8

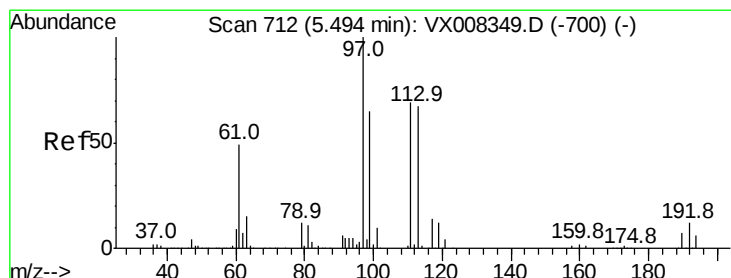
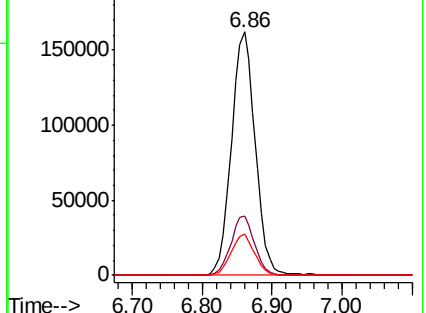
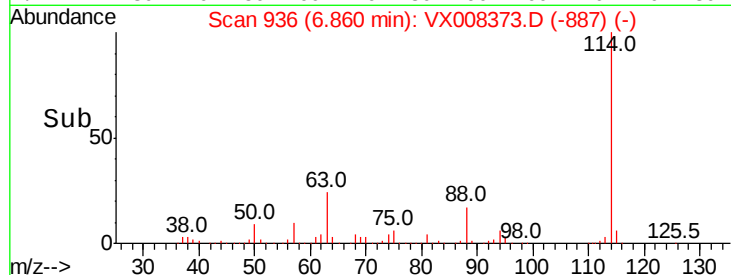
88 17.0 0.0 31.4



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: 48.054 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008373.D

Acq: 24 Mar 2019 00:22

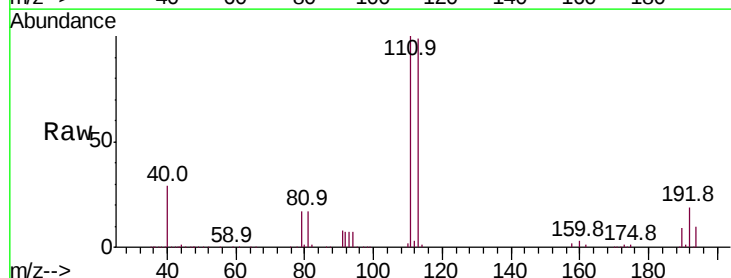
Tgt Ion:113 Resp: 119393

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

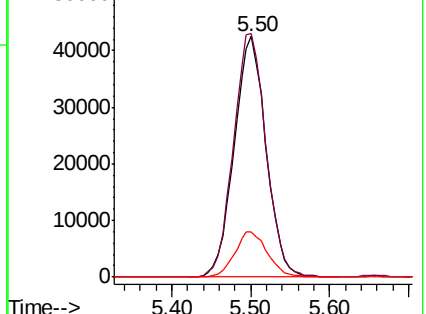
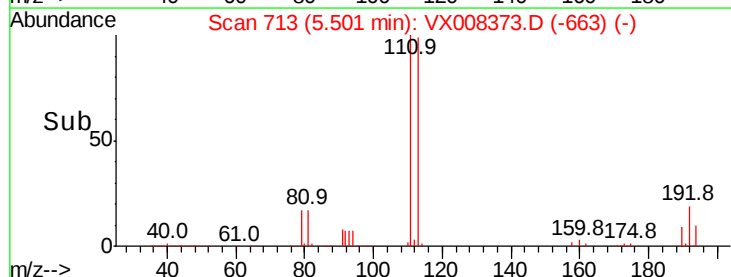
192 19.4 19.4 29.0

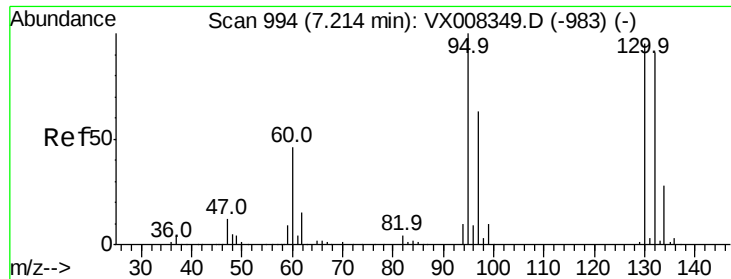


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.506 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008373.D

Acq: 24 Mar 2019 00:22

Instrument :

MSVOA\_X

ClientSampleId :

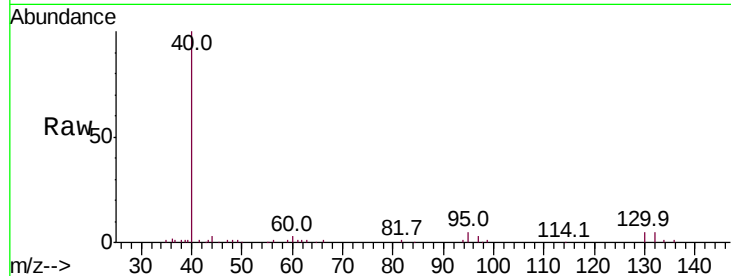
BPS1-TT-MW309D-20190313

Tot Ion:130 Resp: 1401

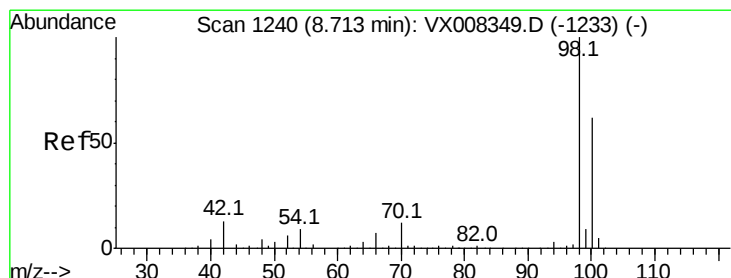
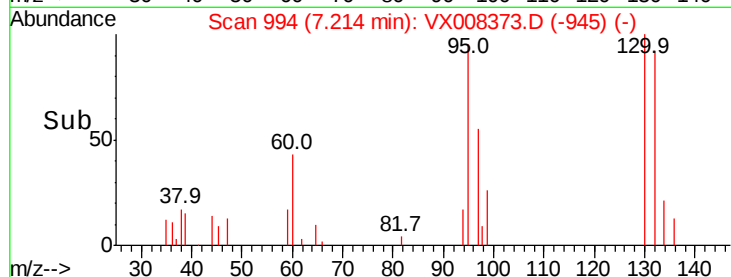
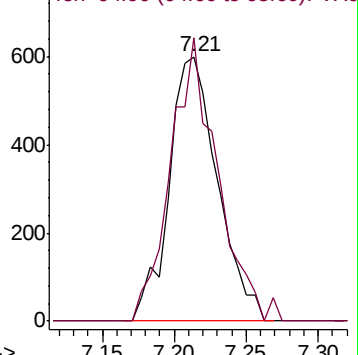
Ion Ratio Lower Upper

130 100

95 107.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VX008349.D (-983) (-)



#50

Toluene-d8

Concen: 48.856 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008373.D

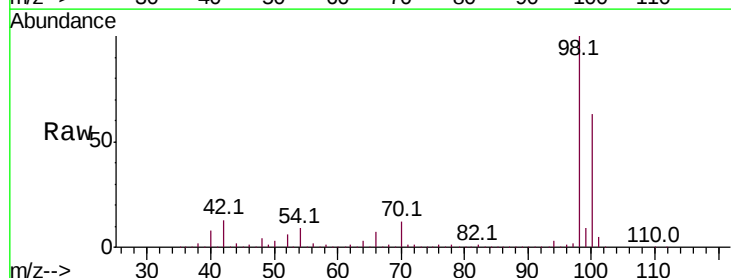
Acq: 24 Mar 2019 00:22

Tgt Ion: 98 Resp: 480116

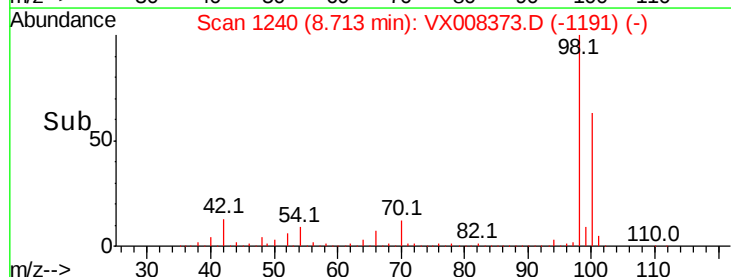
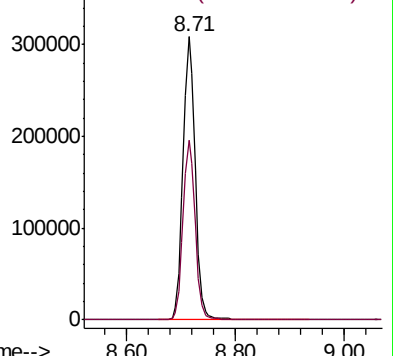
Ion Ratio Lower Upper

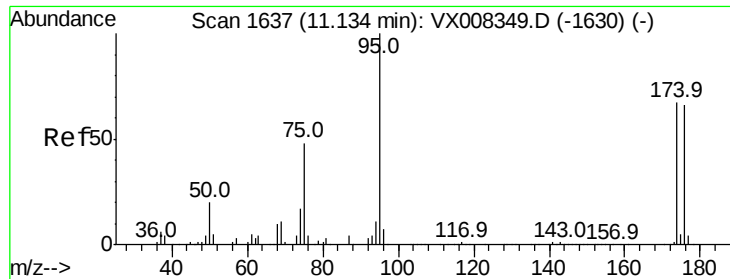
98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX008349.D (-1233) (-)





#62

4-Bromofluorobenzene

Concen: 43.384 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008373.D

Acq: 24 Mar 2019 00:22

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW309D-20190313

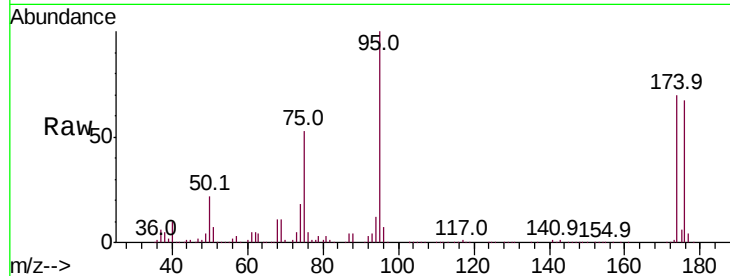
Tot Ion: 95 Resp: 156535

Ion Ratio Lower Upper

95 100

174 74.1 0.0 182.8

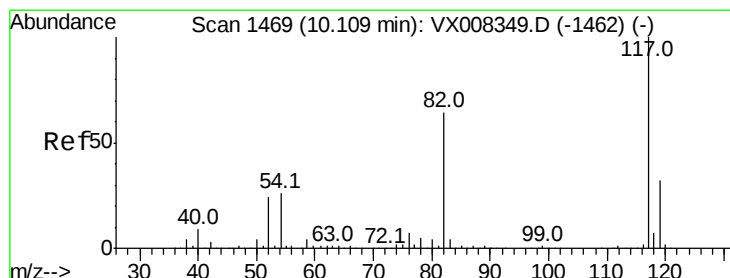
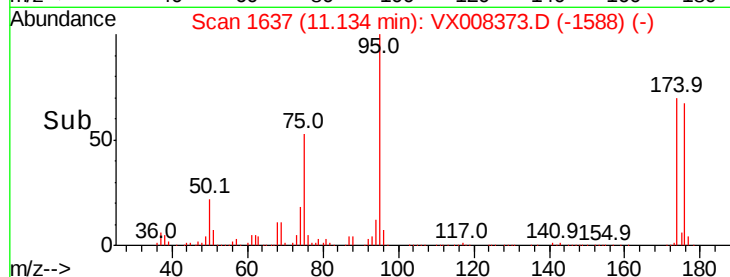
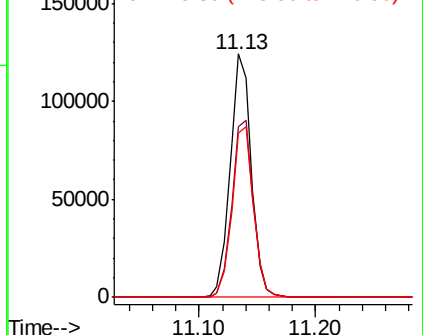
176 71.4 0.0 178.0



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008373.D

Acq: 24 Mar 2019 00:22

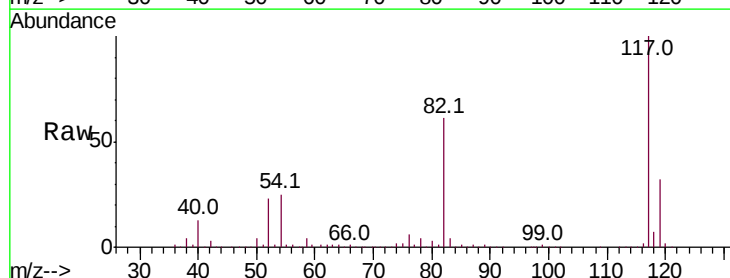
Tgt Ion: 117 Resp: 325578

Ion Ratio Lower Upper

117 100

82 61.4 44.3 66.5

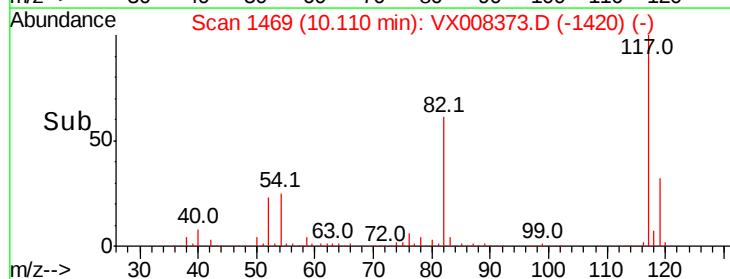
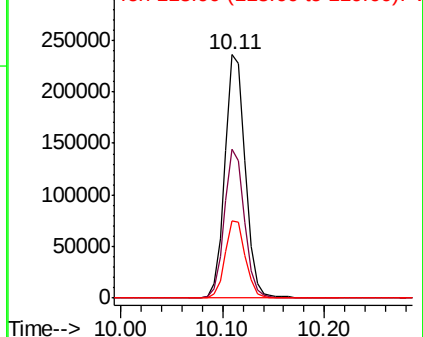
119 31.7 25.3 37.9

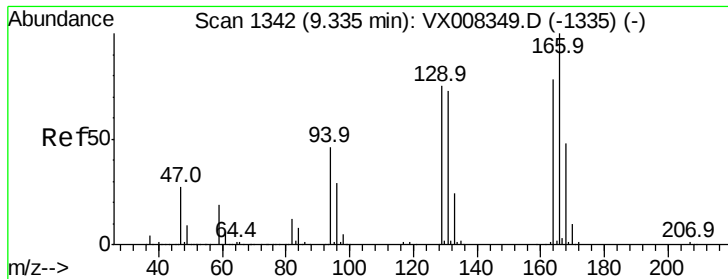


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

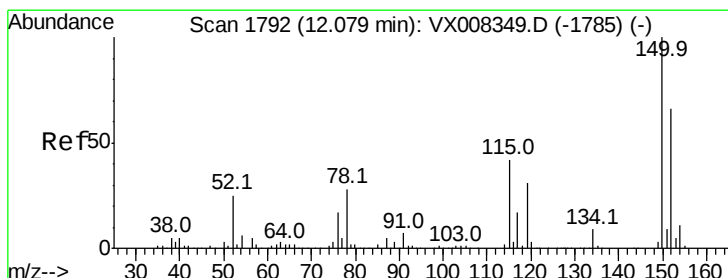
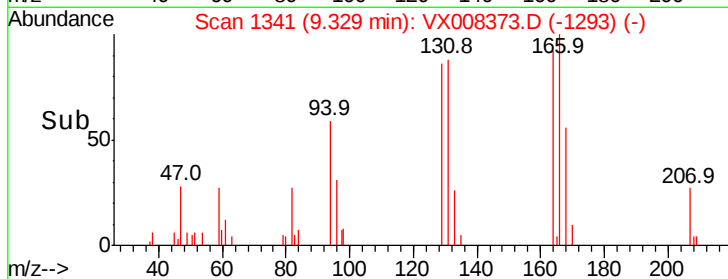
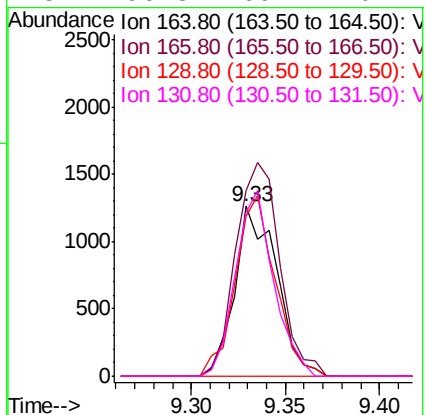
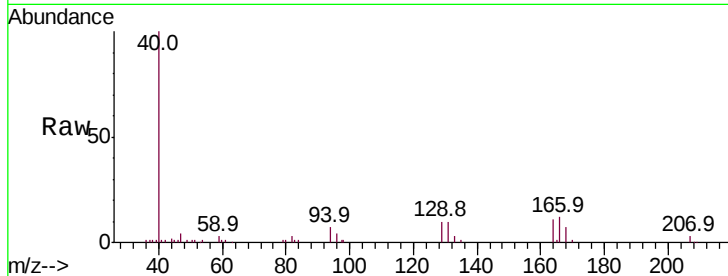




#64  
Tetrachloroethene  
Concen: 0.919 ug/l  
RT: 9.33 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: VX008373.D  
Acq: 24 Mar 2019 00:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW309D-20190313

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 109.1 | 103.4 | 155.0 |
| 129     | 94.3  | 72.2  | 108.4 |
| 131     | 96.3  | 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: VX008373.D  
Acq: 24 Mar 2019 00:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.6  | 38.6  | 115.7 |
| 150     | 156.7 | 0.0   | 348.4 |

