

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\  
 Data File : VX009217.D  
 Acq On : 29 Apr 2019 19:06  
 Operator : JC/SP  
 Sample : K2594-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021MW173-190423

Quant Time: Apr 30 08:22:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:03:50 2019  
 Response via : Initial Calibration

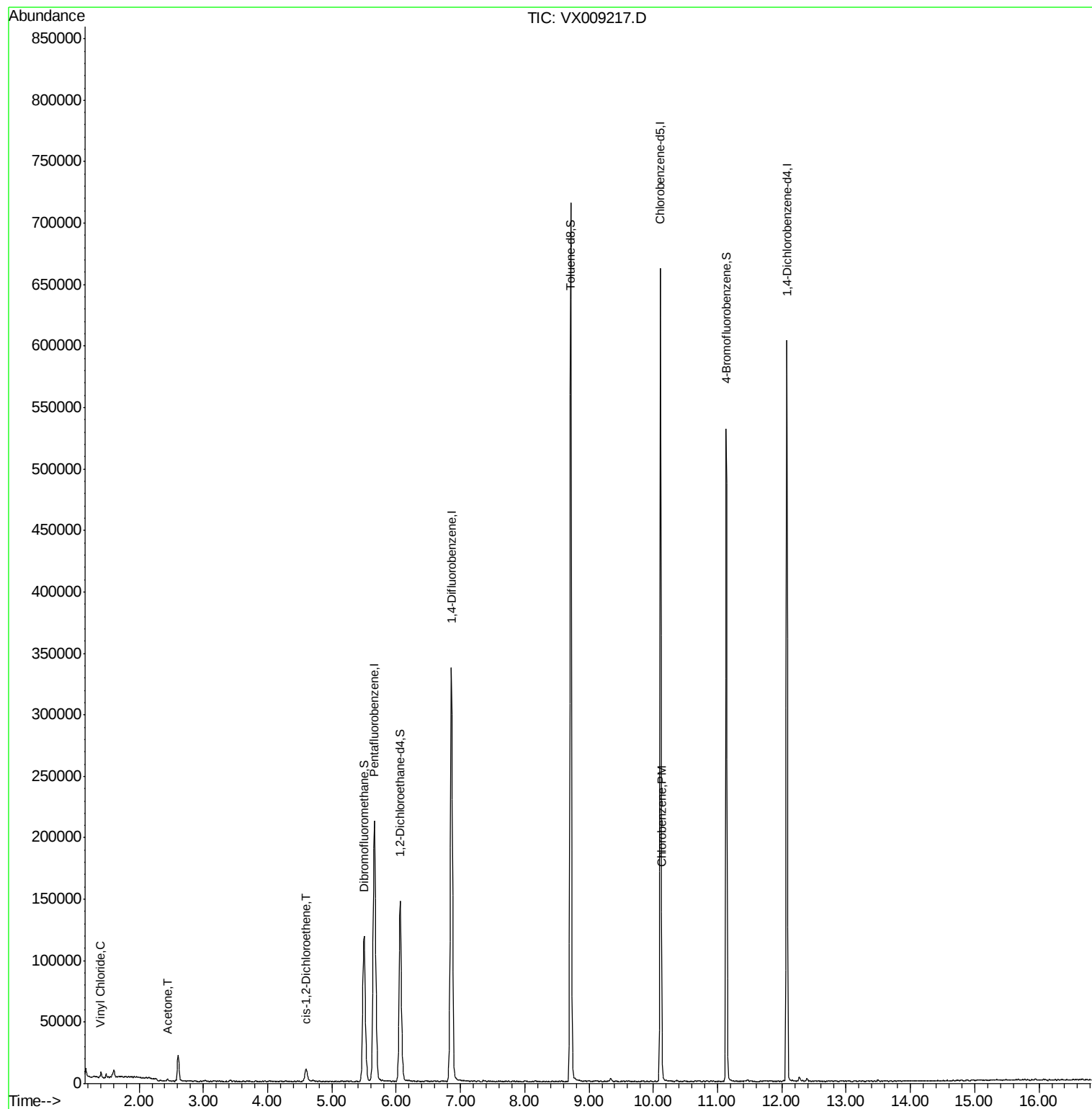
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 206856   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 337553   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 293984   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 124311   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 136364   | 48.29 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.58% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 102339   | 48.23 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.46% |          |
| 50) Toluene-d8              | 8.71  | 98   | 421316   | 49.18 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.36% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 138239   | 44.41 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.82% |          |
| Target Compounds            |       |      |          |       |        |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 3286     | 1.295 | ug/l   | 97       |
| 16) Acetone                 | 2.45  | 43   | 2162     | 1.426 | ug/l # | 87       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 6513     | 2.592 | ug/l   | 90       |
| 65) Chlorobenzene           | 10.13 | 112  | 1661     | 0.282 | ug/l # | 78       |

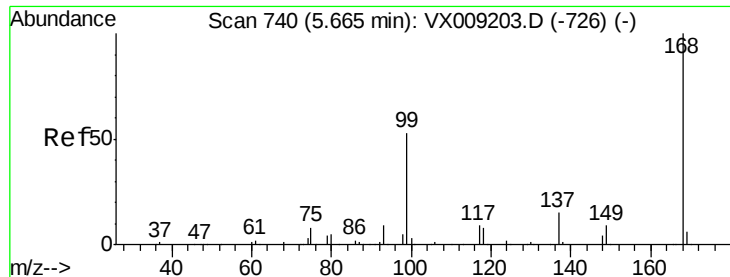
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:03:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA\_X

ClientSampleId :

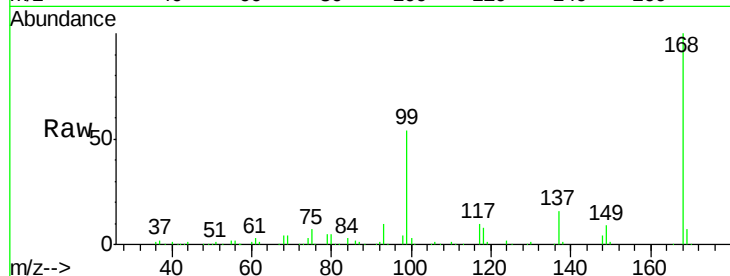
WP021MW173-190423

Tot Ion:168 Resp: 206856

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

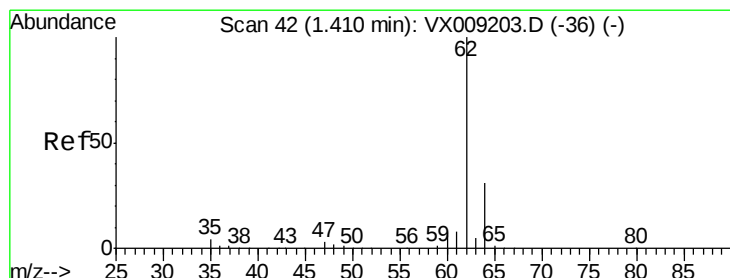
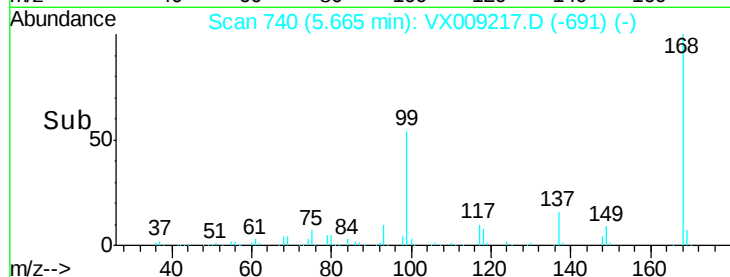
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.295 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009217.D

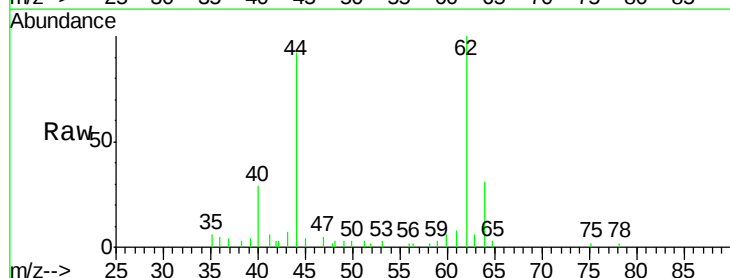
Acq: 29 Apr 2019 19:06

Tgt Ion: 62 Resp: 3286

Ion Ratio Lower Upper

62 100

64 28.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

3000

2500

2000

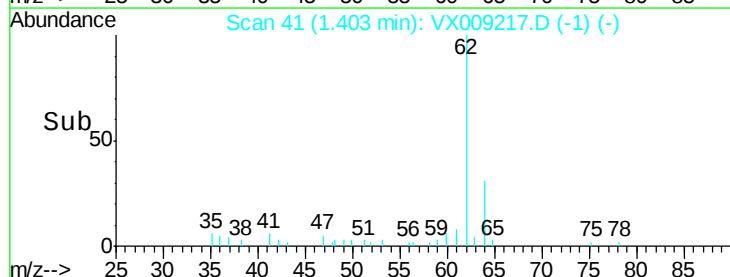
1500

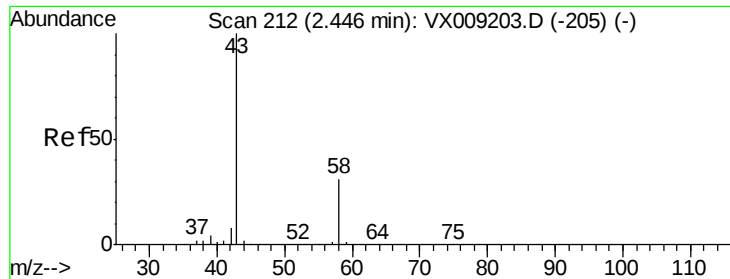
1000

500

0

Time--> 1.35 1.40 1.45





#16

Acetone

Concen: 1.426 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA\_X

ClientSampleId :

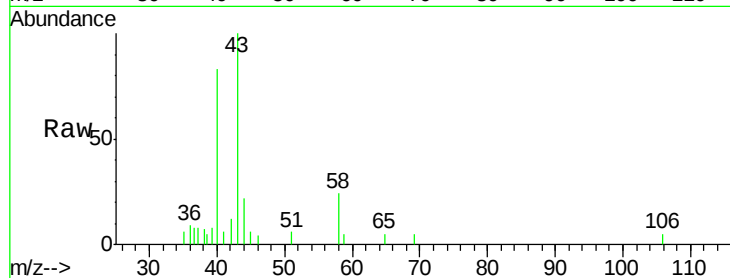
WP021MW173-190423

Tot Ion: 43 Resp: 2162

Ion Ratio Lower Upper

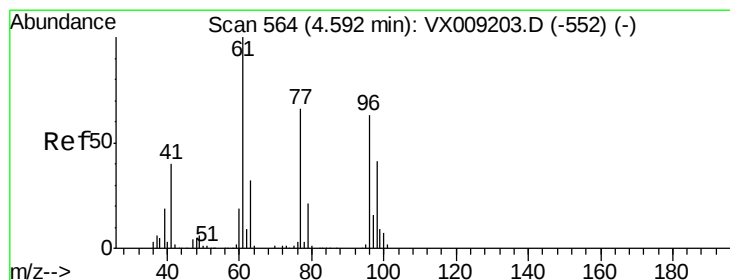
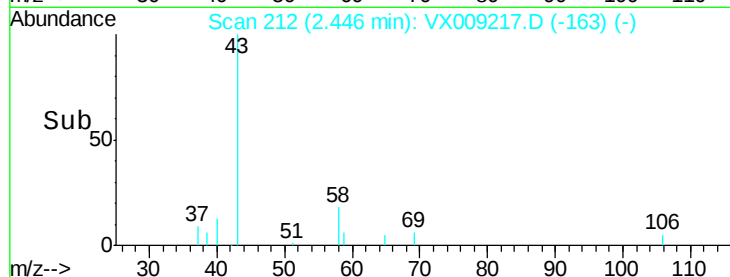
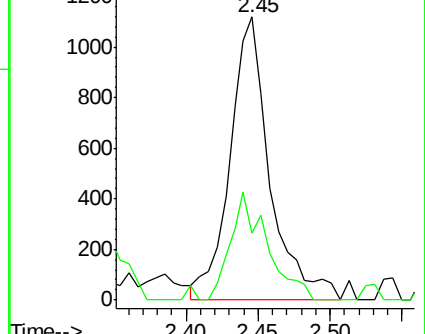
43 100

58 23.8 24.9 37.3#



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: 2.592 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

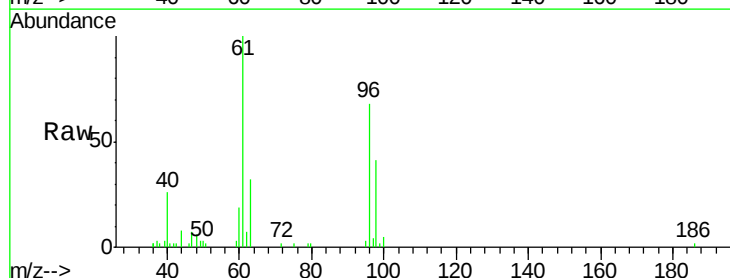
Tgt Ion: 96 Resp: 6513

Ion Ratio Lower Upper

96 100

61 143.3 0.0 324.0

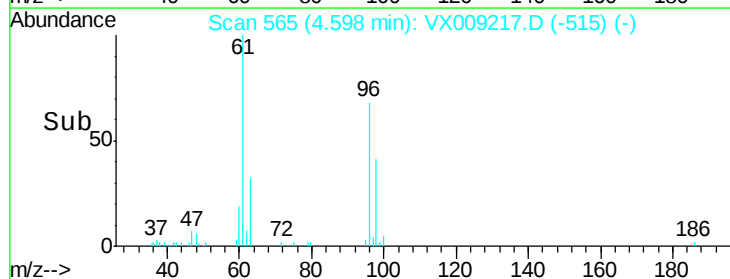
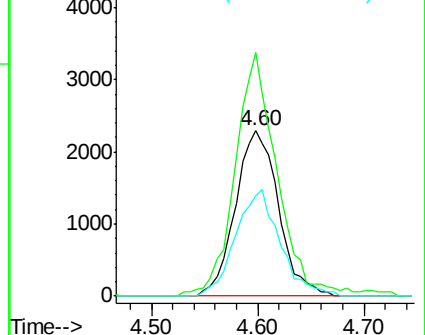
98 66.3 0.0 130.4

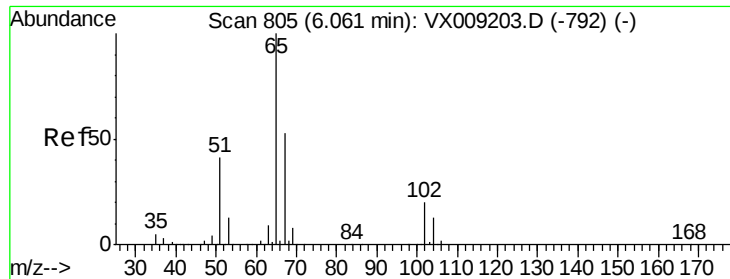


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.290 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA\_X

ClientSampleId :

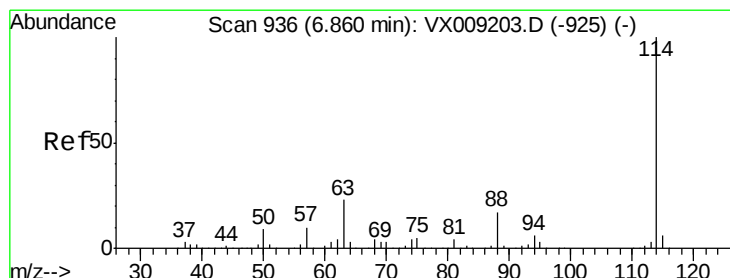
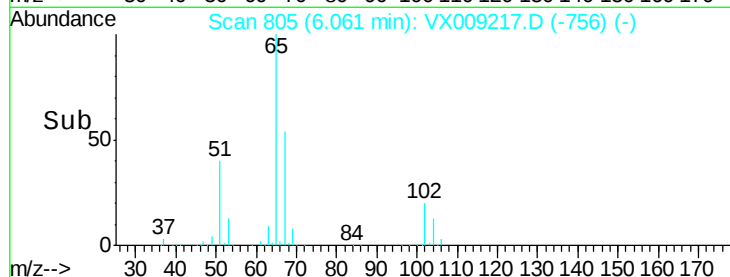
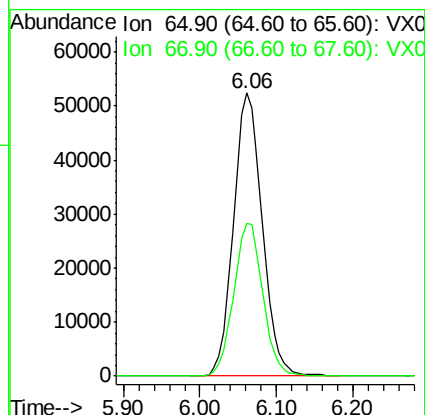
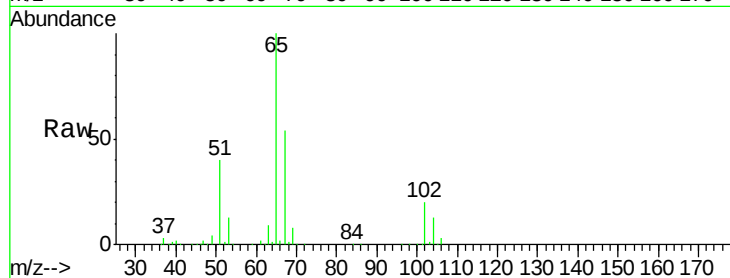
WP021MW173-190423

Tot Ion: 65 Resp: 136364

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

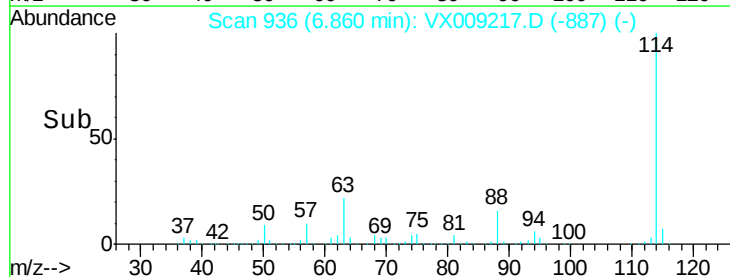
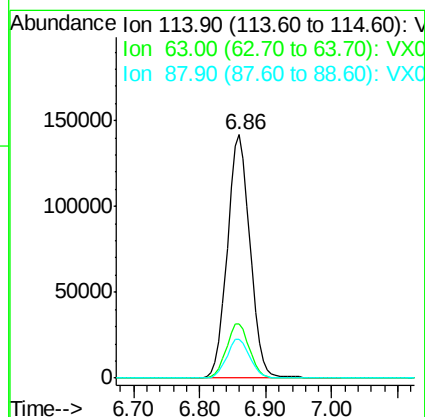
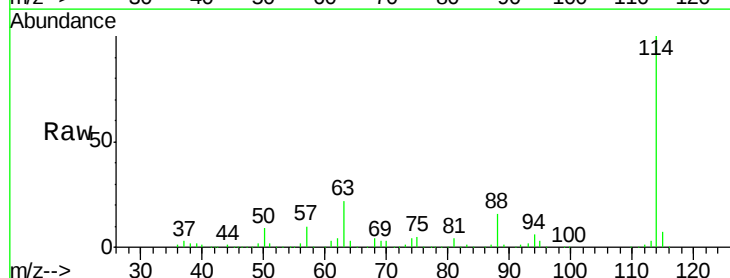
Tgt Ion: 114 Resp: 337553

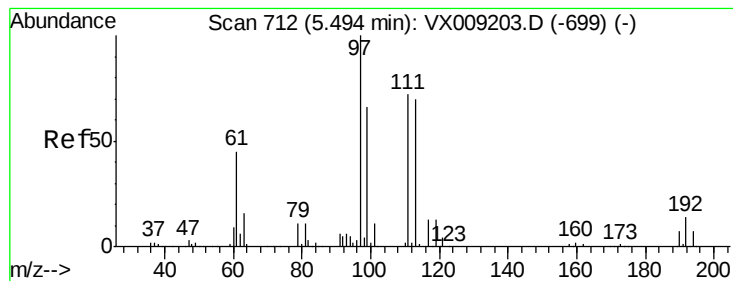
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.228 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA\_X

ClientSampleId :

WP021MW173-190423

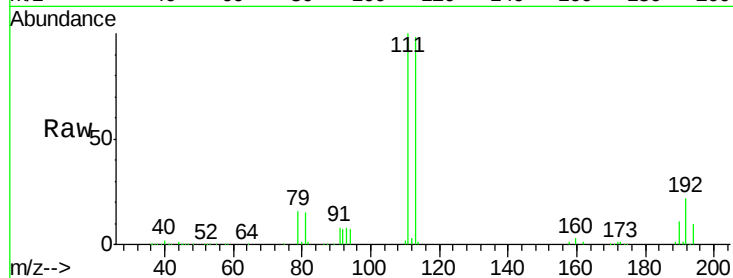
Tot Ion:113 Resp: 102339

Ion Ratio Lower Upper

113 100

111 100.9 82.8 124.2

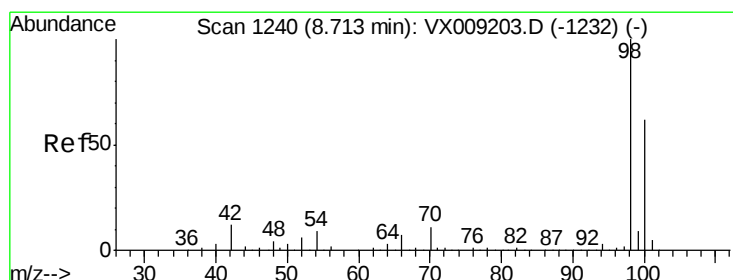
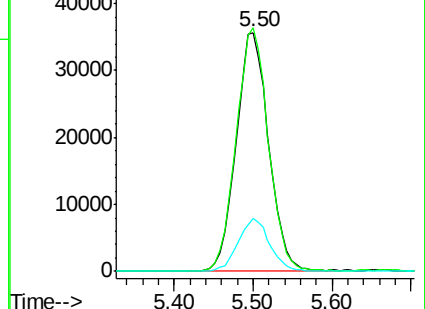
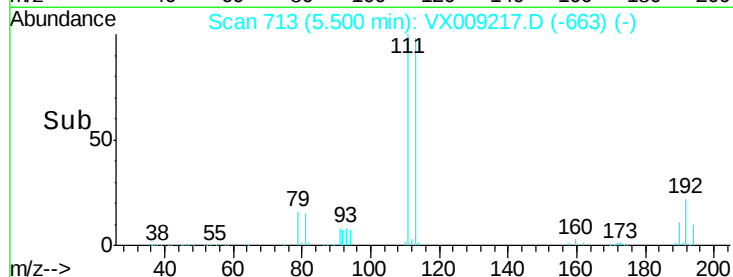
192 21.4 17.0 25.6



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



#50

Toluene-d8

Concen: 49.179 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009217.D

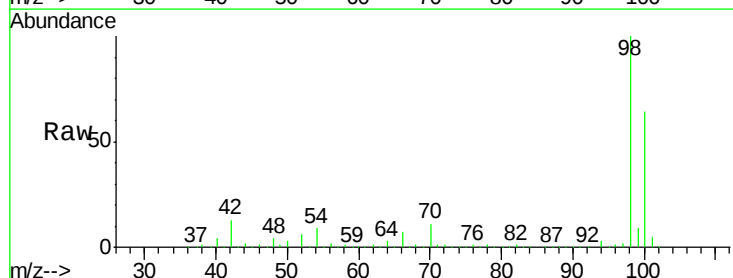
Acq: 29 Apr 2019 19:06

Tgt Ion: 98 Resp: 421316

Ion Ratio Lower Upper

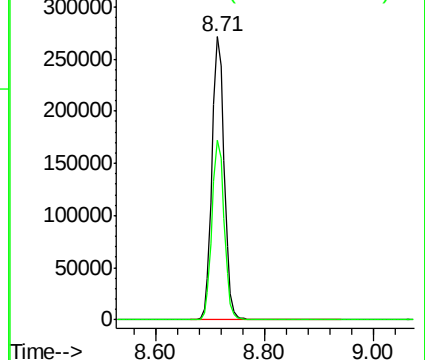
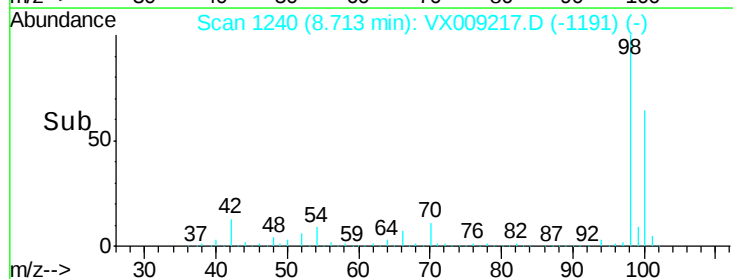
98 100

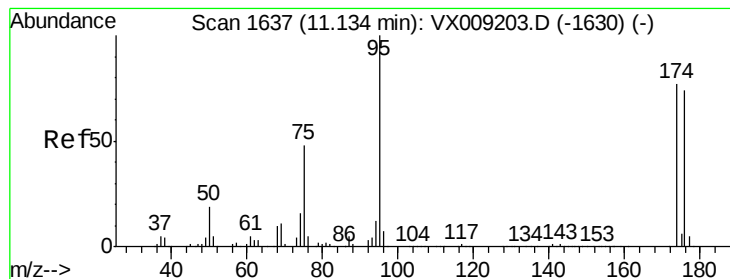
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.408 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA\_X

ClientSampleId :

WP021MW173-190423

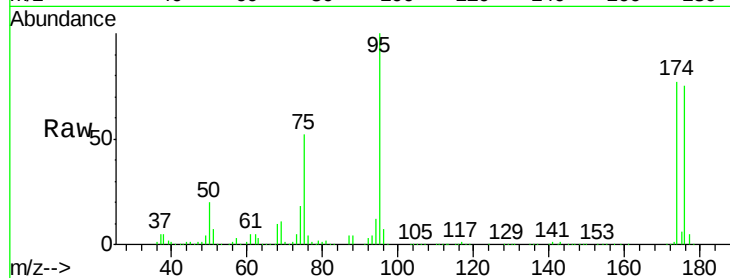
Tot Ion: 95 Resp: 138239

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

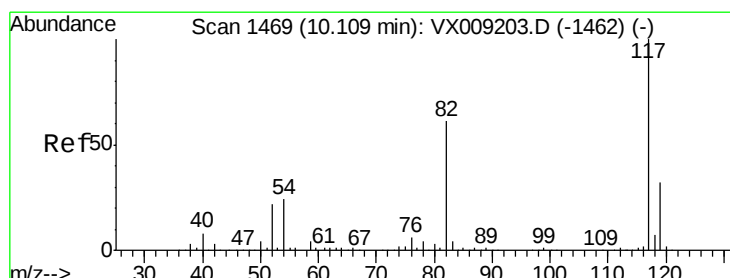
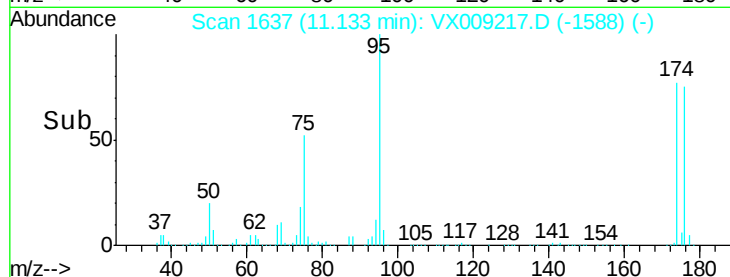
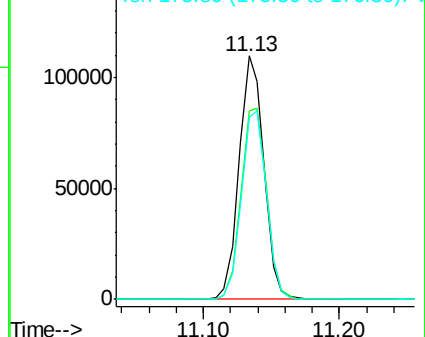
176 78.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009217.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009217.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009217.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

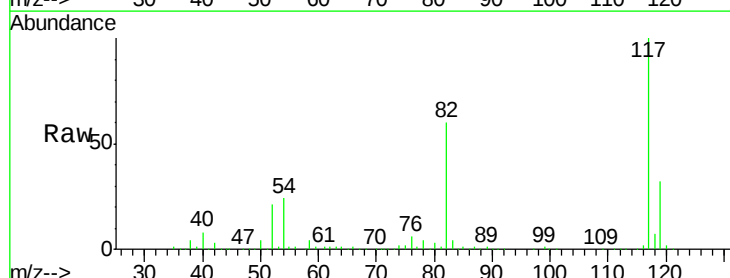
Tgt Ion: 117 Resp: 293984

Ion Ratio Lower Upper

117 100

82 60.2 48.8 73.2

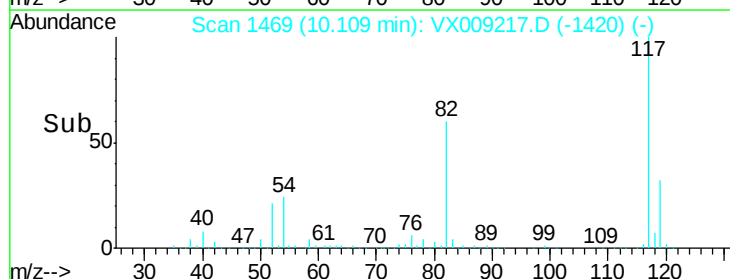
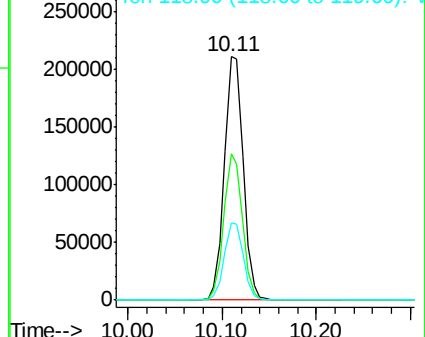
119 31.6 25.8 38.6

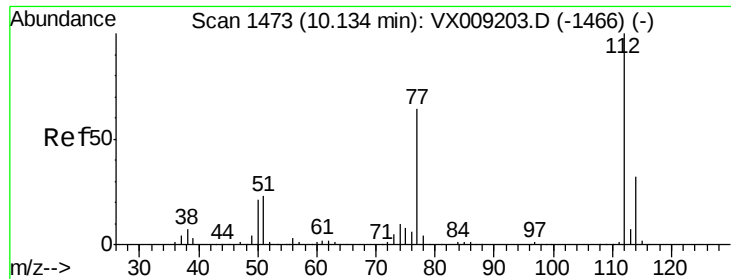


Abundance Ion 116.90 (116.60 to 117.60): VX009217.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009217.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009217.D (-1420) (-)





#65

Chlorobenzene

Concen: 0.282 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA\_X

ClientSampleId :

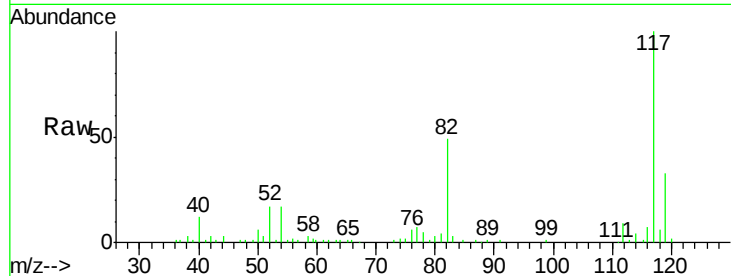
WP021MW173-190423

Tot Ion:112 Resp: 1661

Ion Ratio Lower Upper

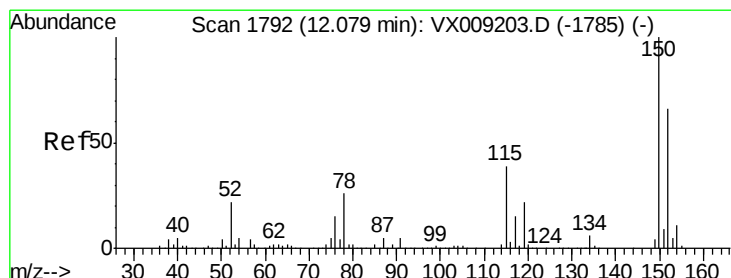
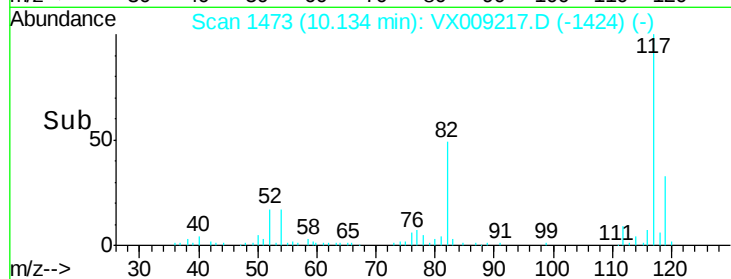
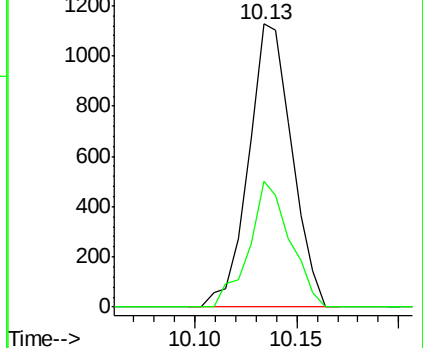
112 100

114 44.3 25.5 38.3#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

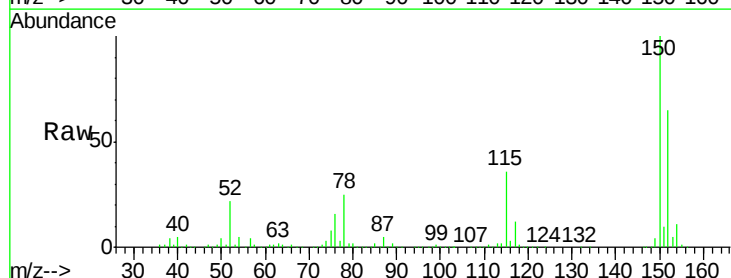
Tgt Ion:152 Resp: 124311

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

150 156.1 0.0 346.4



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

