

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\  
 Data File : VX009218.D  
 Acq On : 29 Apr 2019 19:29  
 Operator : JC/SP  
 Sample : K2594-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021MW174-190423

Quant Time: Apr 30 08:33:15 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

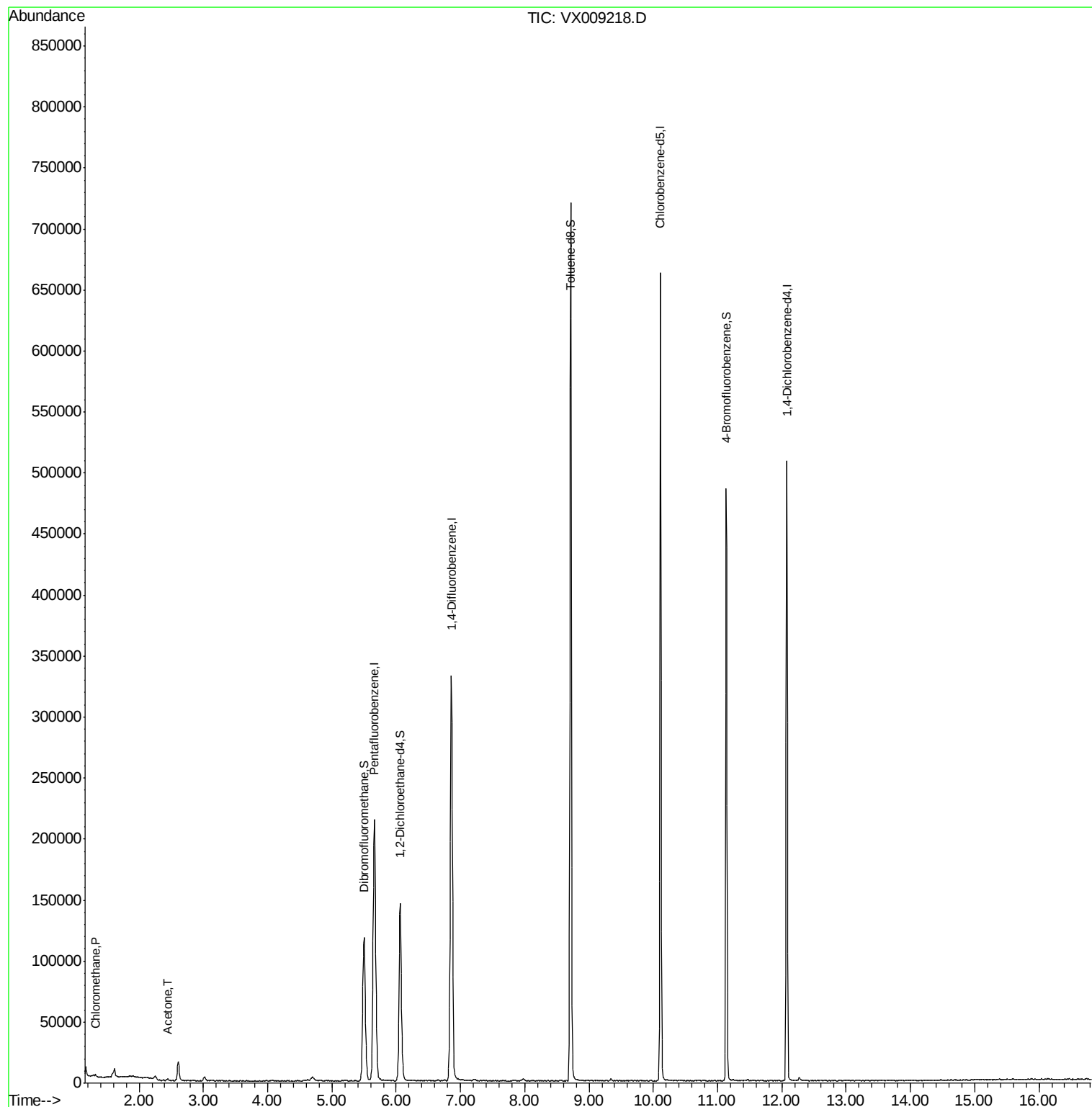
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 209926   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 333572   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 282088   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 106240   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 135816   | 47.39 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.78% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 101649   | 48.47 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.94% |          |
| 50) Toluene-d8              | 8.71  | 98   | 415988   | 49.14 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.28% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 128116   | 41.65 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 83.30% |          |
| Target Compounds            |       |      |          |       |        |          |
| 3) Chloromethane            | 1.32  | 50   | 1505     | 0.570 | ug/l   | 94       |
| 16) Acetone                 | 2.45  | 43   | 1833     | 1.191 | ug/l   | 92       |

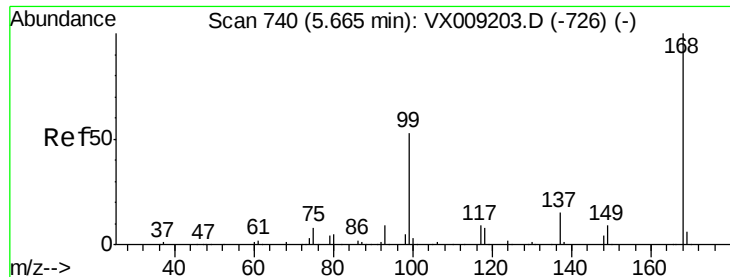
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA\_X

ClientSampleId :

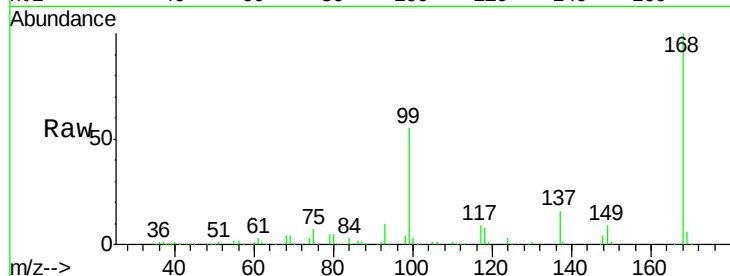
WP021MW174-190423

Tot Ion:168 Resp: 209926

Ion Ratio Lower Upper

168 100

99 54.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

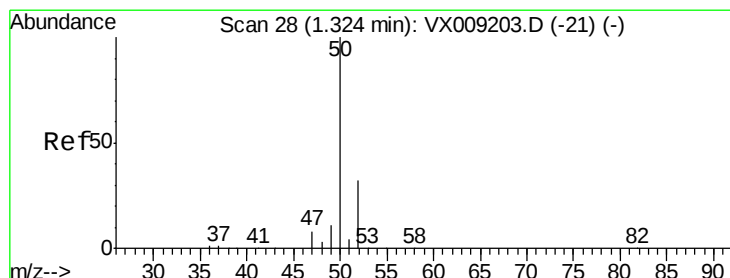
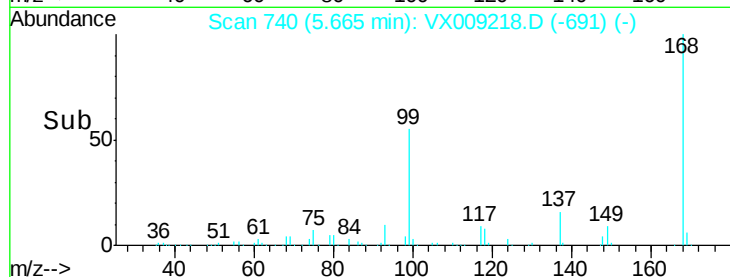
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.570 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009218.D

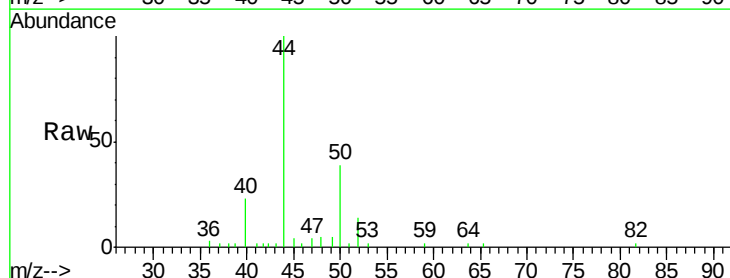
Acq: 29 Apr 2019 19:29

Tgt Ion: 50 Resp: 1505

Ion Ratio Lower Upper

50 100

52 35.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

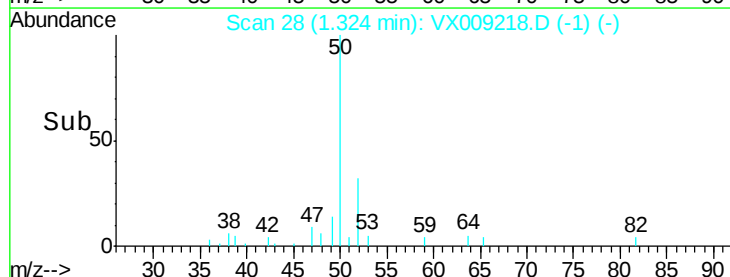
1500

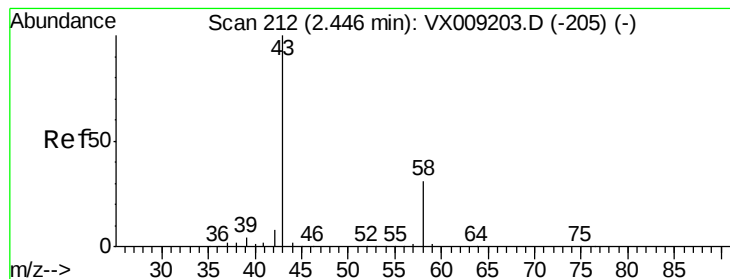
1000

500

0

Time--> 1.30 1.35





#16

Acetone

Concen: 1.191 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA\_X

ClientSampleId :

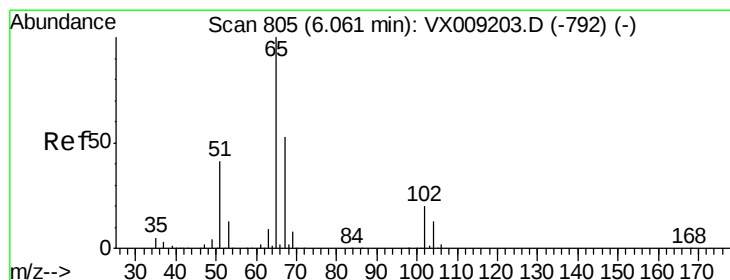
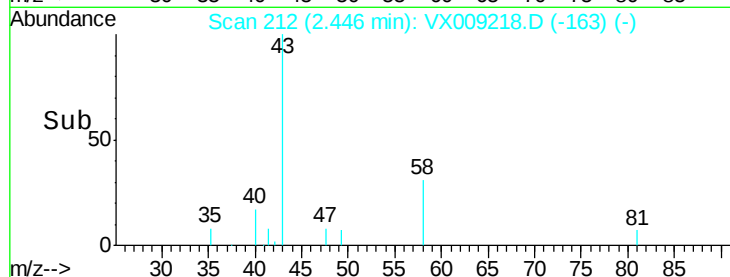
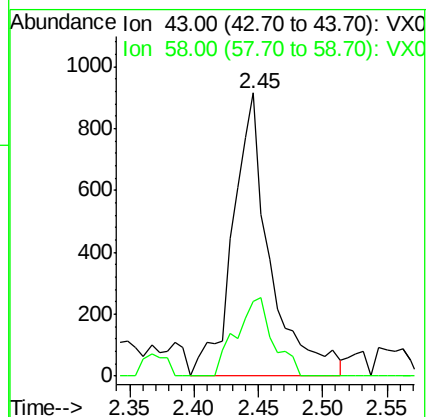
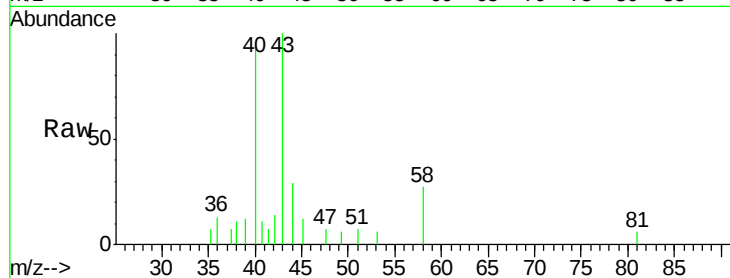
WP021MW174-190423

Tot Ion: 43 Resp: 1833

Ion Ratio Lower Upper

43 100

58 26.6 24.9 37.3



#33

1,2-Dichloroethane-d4

Concen: 47.393 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009218.D

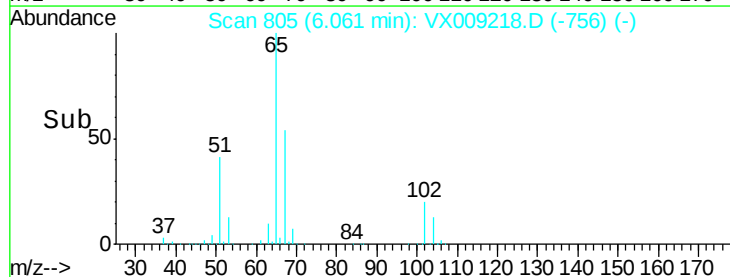
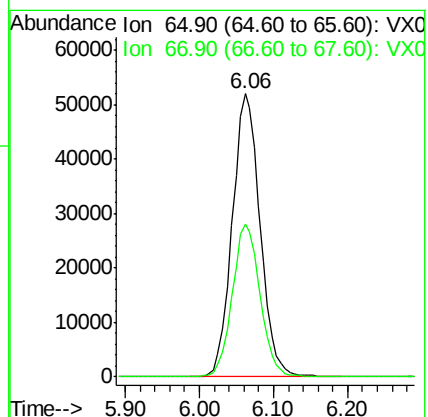
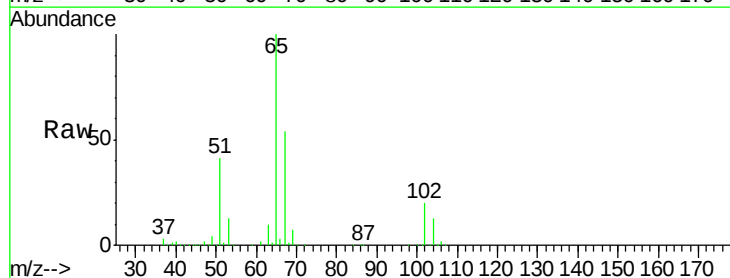
Acq: 29 Apr 2019 19:29

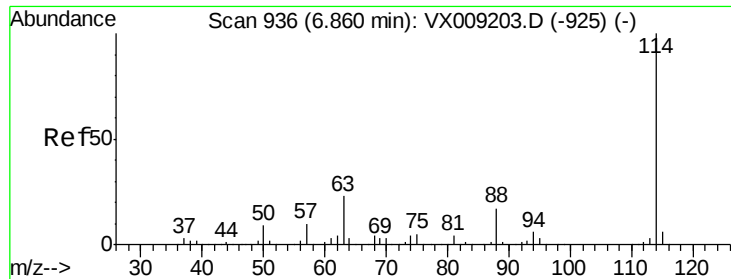
Tgt Ion: 65 Resp: 135816

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.6

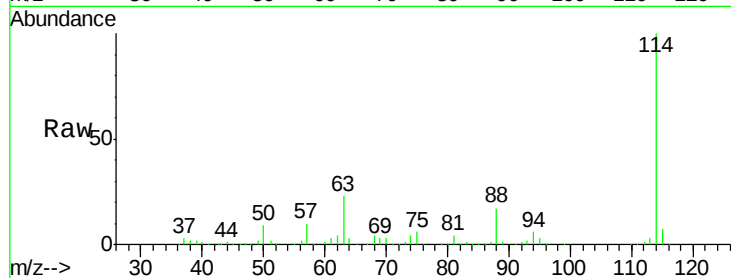




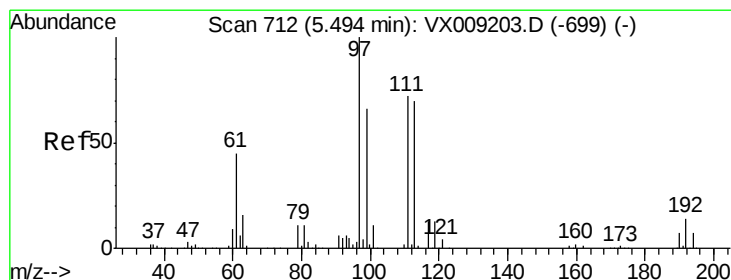
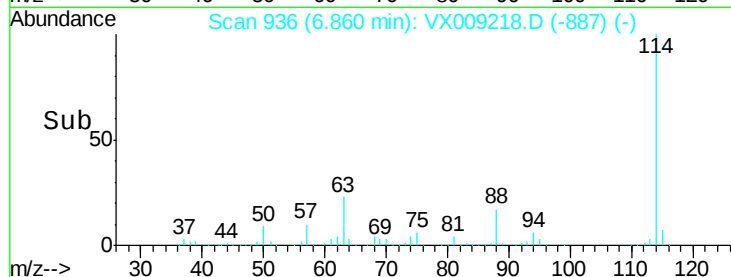
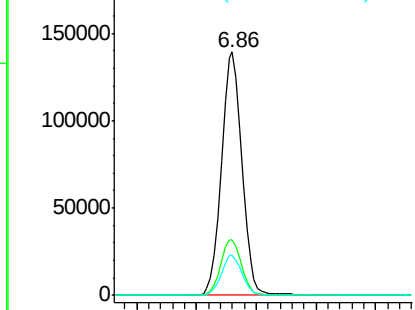
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009218.D  
 Acq: 29 Apr 2019 19:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021MW174-190423

Tot Ion:114 Resp: 333572  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 45.6  
 88 16.6 0.0 33.2

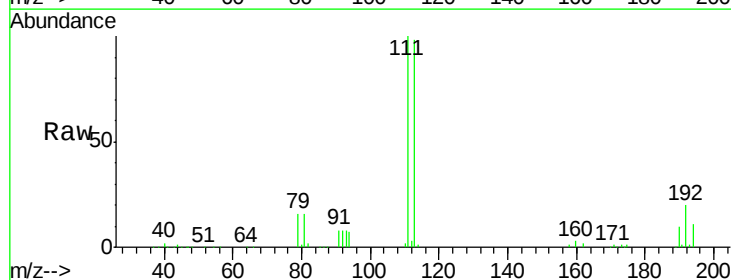


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

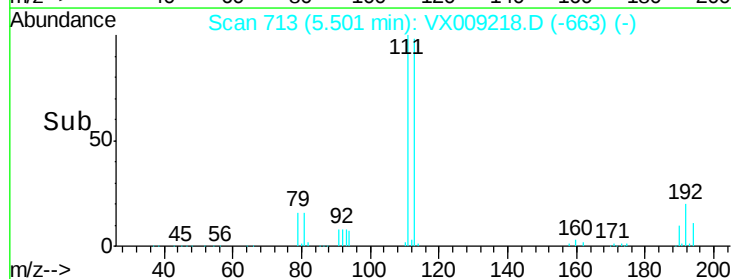
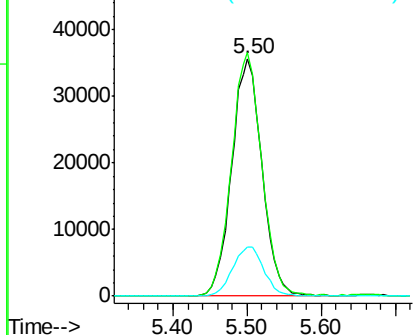


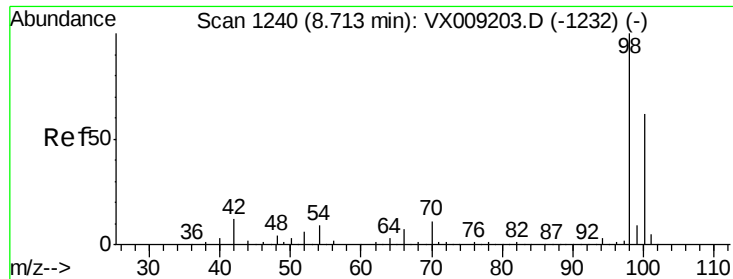
#35  
 Dibromofluoromethane  
 Concen: 48.474 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009218.D  
 Acq: 29 Apr 2019 19:29

Tgt Ion:113 Resp: 101649  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.8 124.2  
 192 21.3 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: 49.136 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA\_X

ClientSampleId :

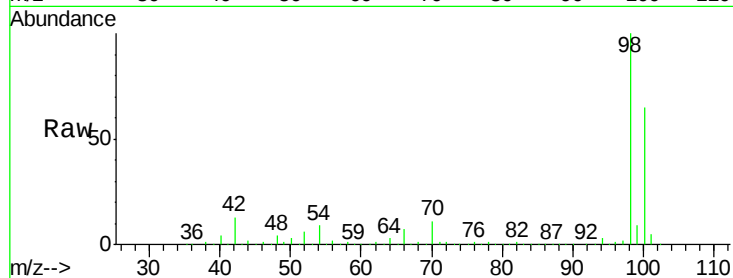
WP021MW174-190423

Tot Ion: 98 Resp: 415988

Ion Ratio Lower Upper

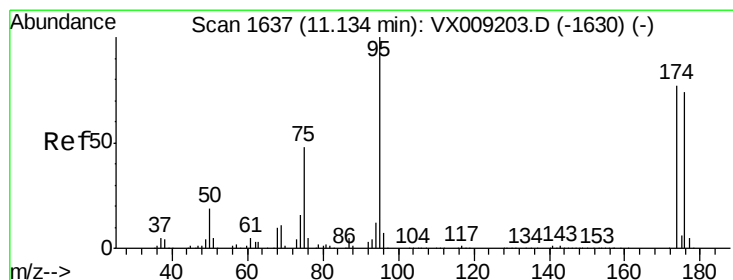
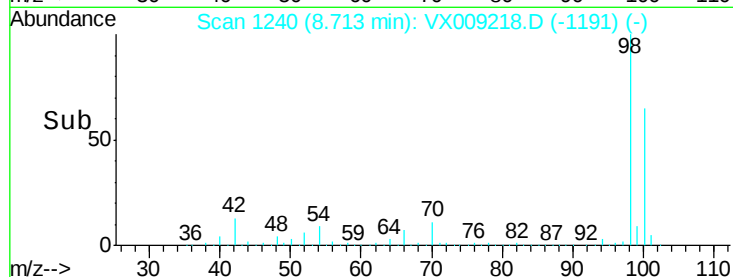
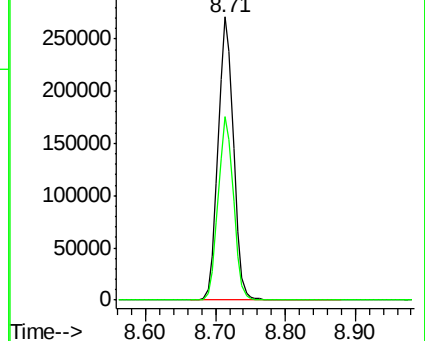
98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 41.647 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

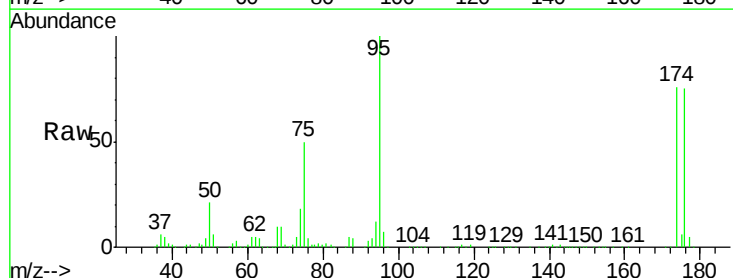
Tgt Ion: 95 Resp: 128116

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

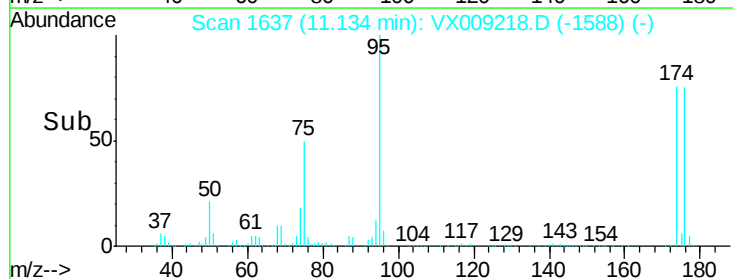
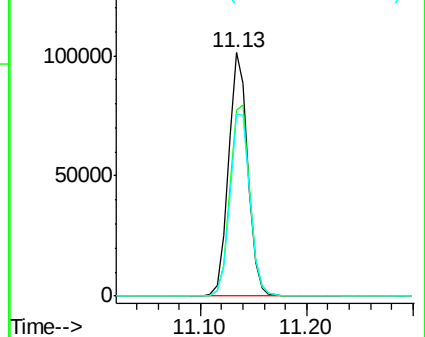
176 78.2 0.0 159.2

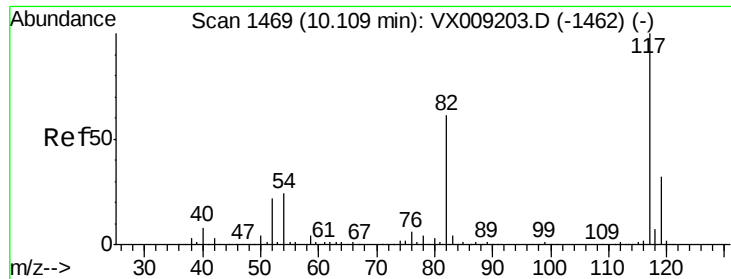


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

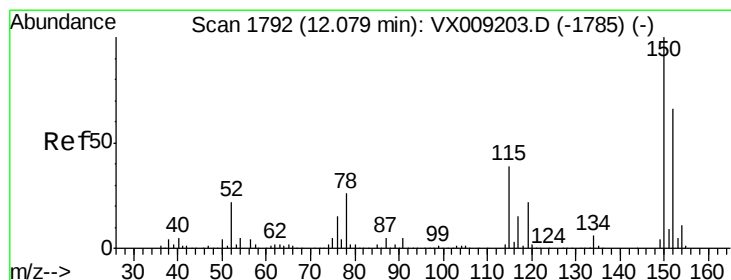
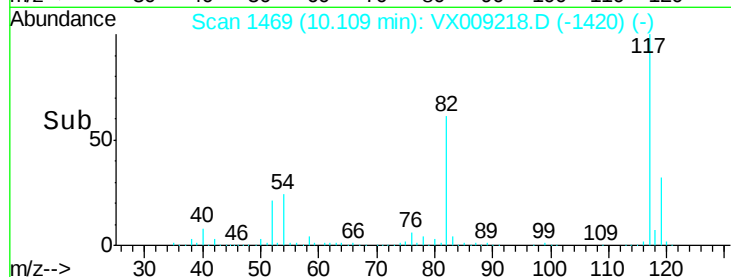
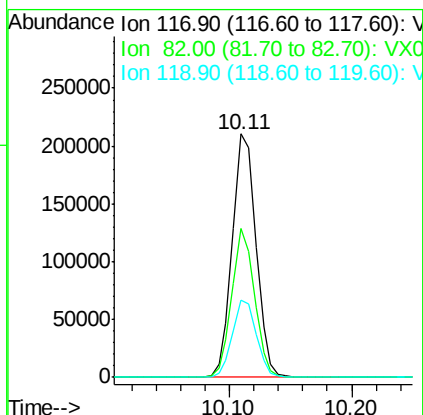
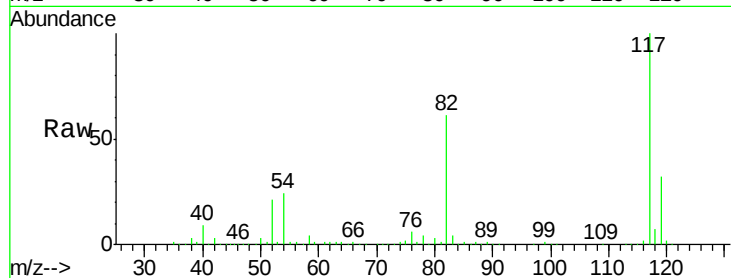




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009218.D  
Acq: 29 Apr 2019 19:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021MW174-190423

Tot Ion:117 Resp: 282088  
Ion Ratio Lower Upper  
117 100  
82 61.2 48.8 73.2  
119 31.6 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009218.D  
Acq: 29 Apr 2019 19:29

Tgt Ion:152 Resp: 106240  
Ion Ratio Lower Upper  
152 100  
115 59.9 41.2 123.6  
150 157.4 0.0 346.4

