

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\  
 Data File : VX009226.D  
 Acq On : 29 Apr 2019 22:36  
 Operator : JC/SP  
 Sample : K2594-10 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021RW245-190423

Quant Time: Apr 30 09:07:37 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

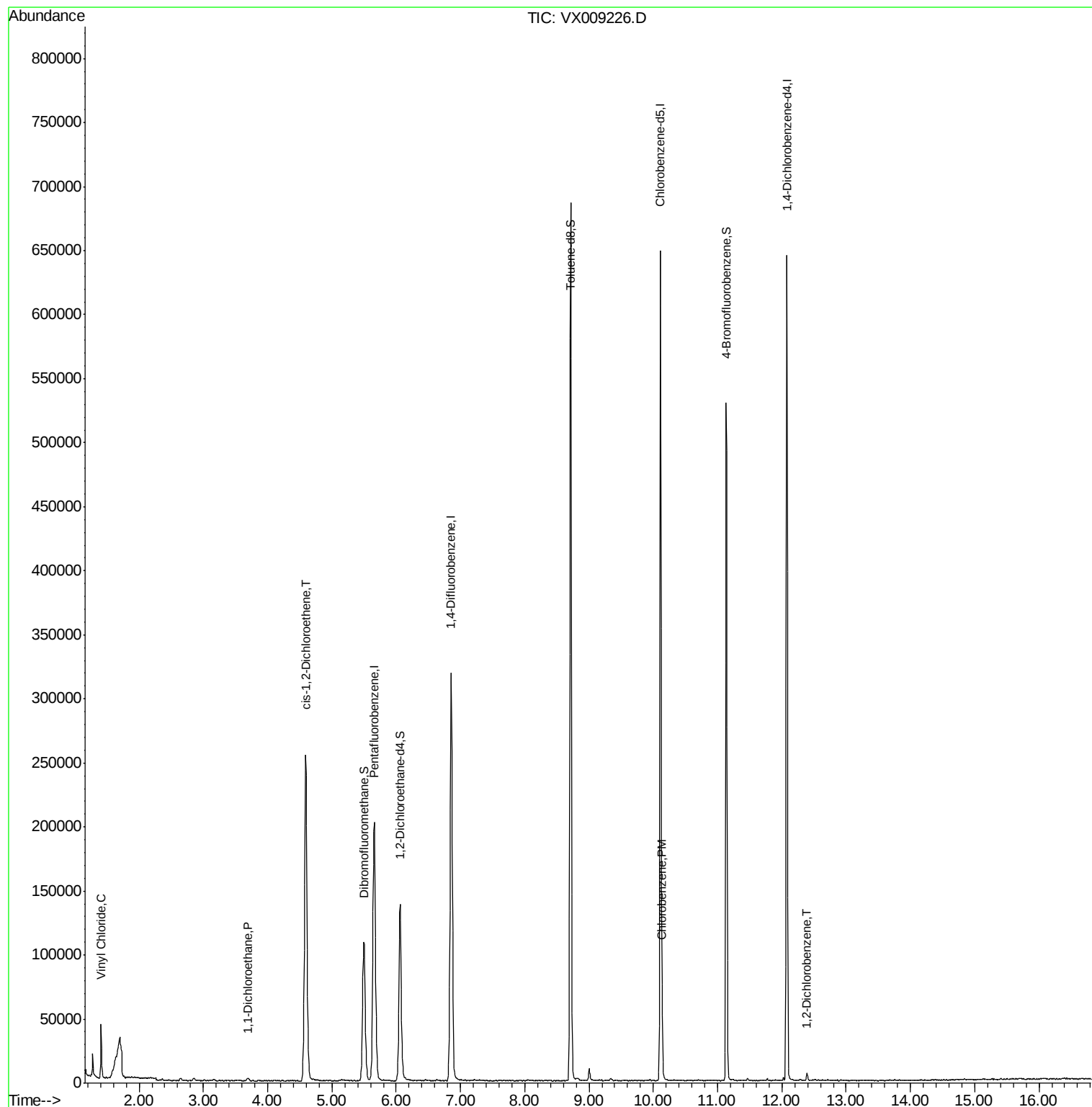
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 195721   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 315716   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 284043   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 130675   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 128105   | 47.95  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.90% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 94058    | 47.39  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.78% |          |
| 50) Toluene-d8              | 8.71  | 98   | 396034   | 49.43  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.86% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 142916   | 49.09  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.18% |          |
| Target Compounds            |       |      |          |        |        |          |
| 4) Vinyl Chloride           | 1.41  | 62   | 28912    | 12.041 | ug/l   | 97       |
| 24) 1,1-Dichloroethane      | 3.69  | 63   | 2468     | 0.581  | ug/l # | 89       |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 156971   | 66.032 | ug/l   | 90       |
| 65) Chlorobenzene           | 10.14 | 112  | 19289    | 3.395  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene     | 12.39 | 146  | 1828     | 0.427  | ug/l   | 99       |

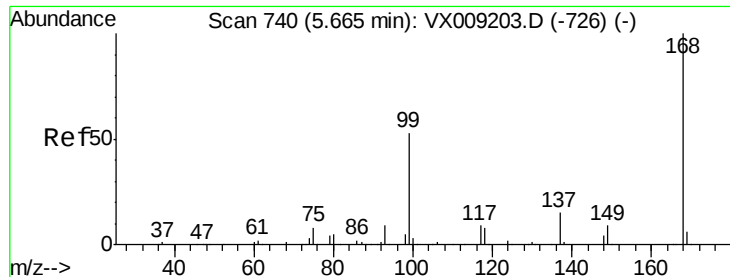
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042919\  
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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA\_X

ClientSampleId :

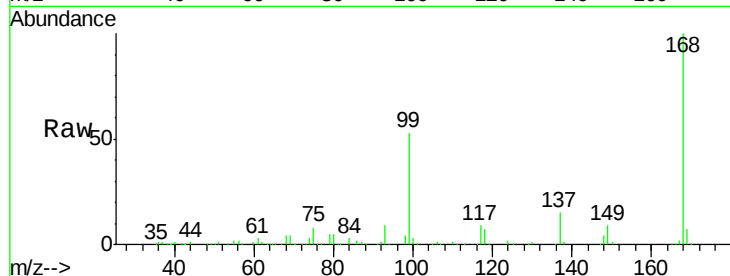
WP021RW245-190423

Tot Ion:168 Resp: 195721

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

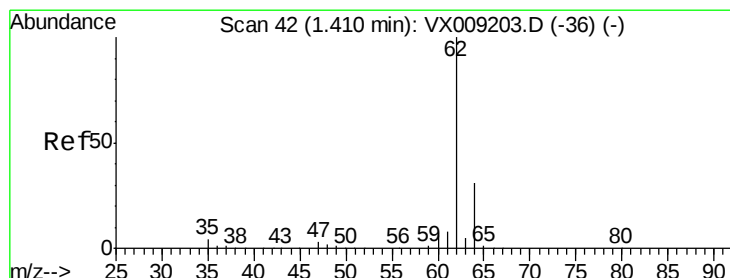
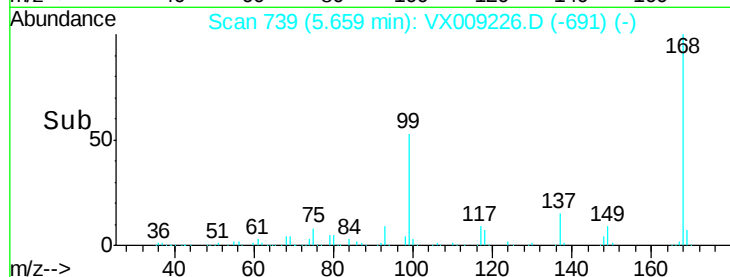
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 12.041 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009226.D

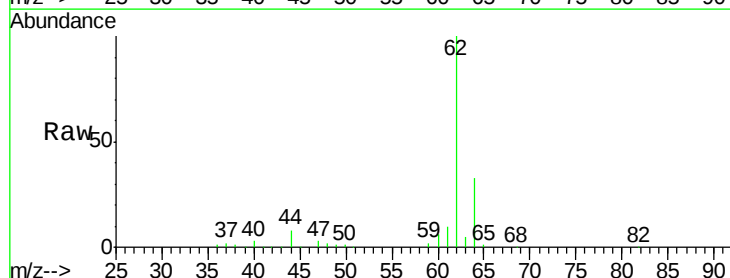
Acq: 29 Apr 2019 22:36

Tgt Ion: 62 Resp: 28912

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

30000

25000

20000

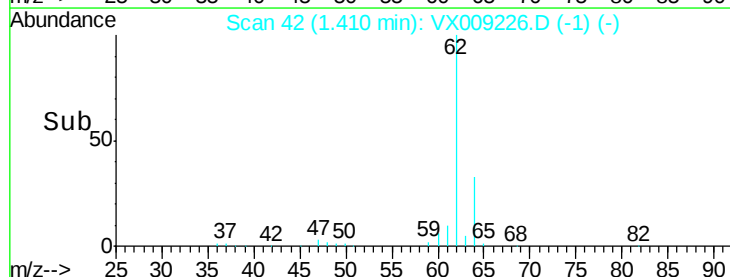
15000

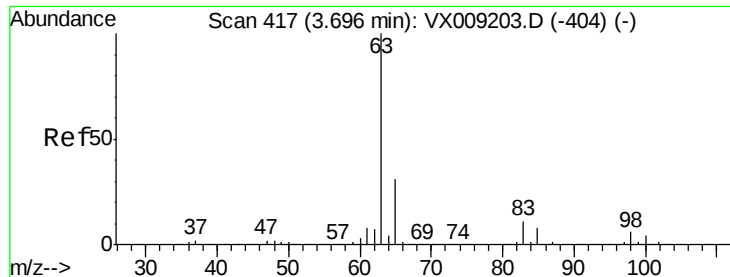
10000

5000

0

Time--> 1.35 1.40 1.45





#24

1,1-Dichloroethane

Concen: 0.581 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA\_X

ClientSampleId :

WP021RW245-190423

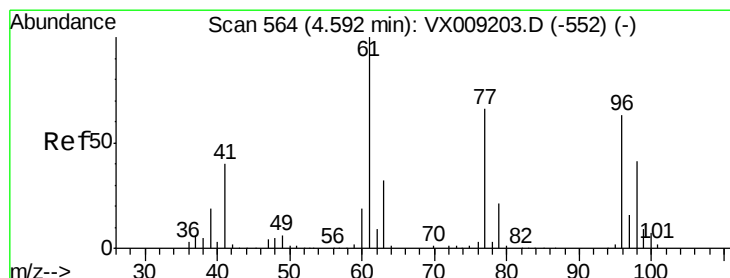
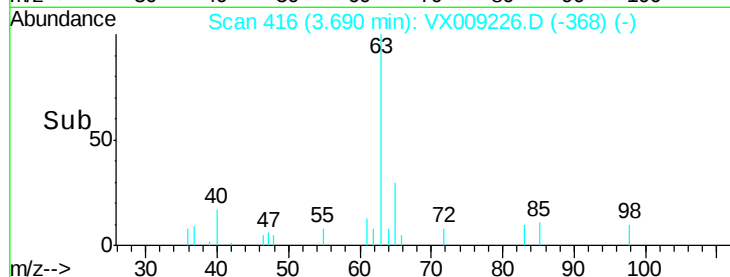
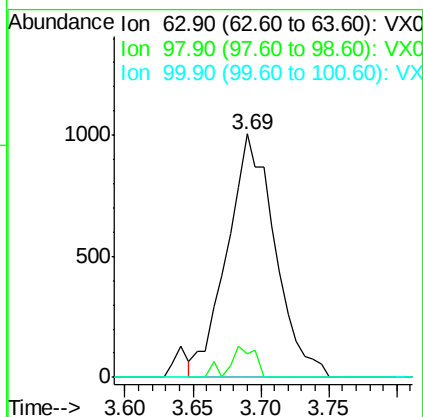
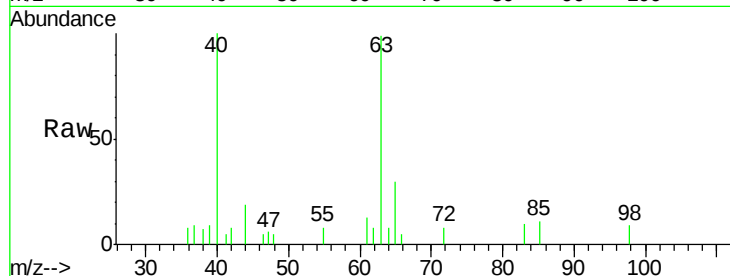
Tot Ion: 63 Resp: 2468

Ion Ratio Lower Upper

63 100

98 9.5 3.0 9.2#

100 0.0 2.0 6.0#



#27

cis-1,2-Dichloroethene

Concen: 66.032 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

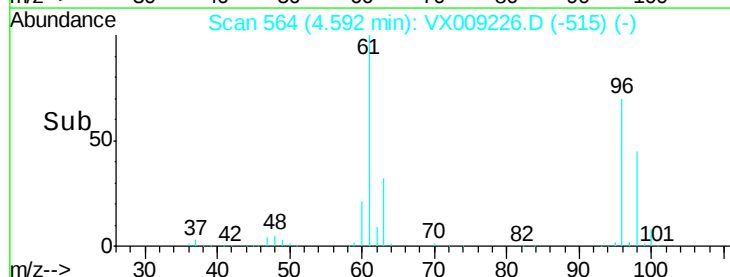
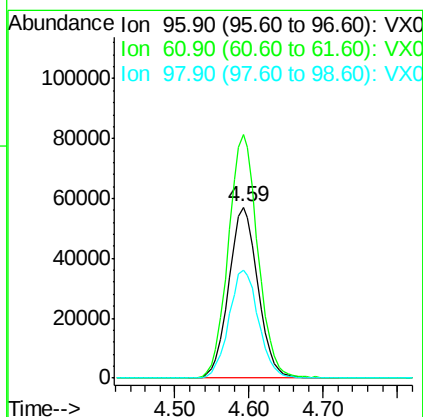
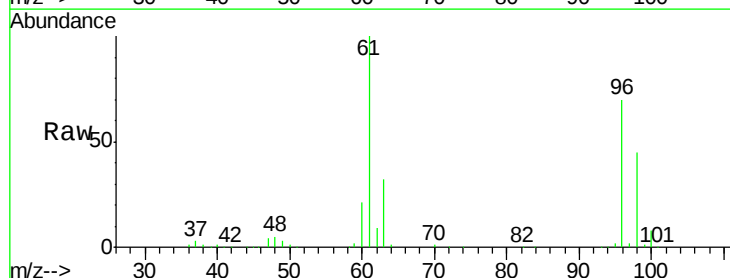
Tgt Ion: 96 Resp: 156971

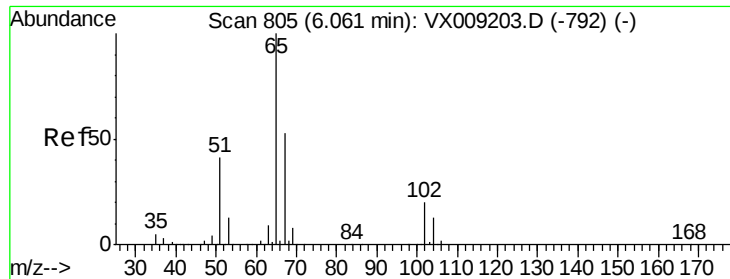
Ion Ratio Lower Upper

96 100

61 143.6 0.0 324.0

98 64.1 0.0 130.4

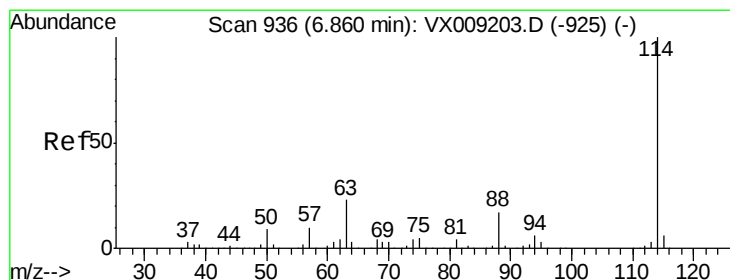
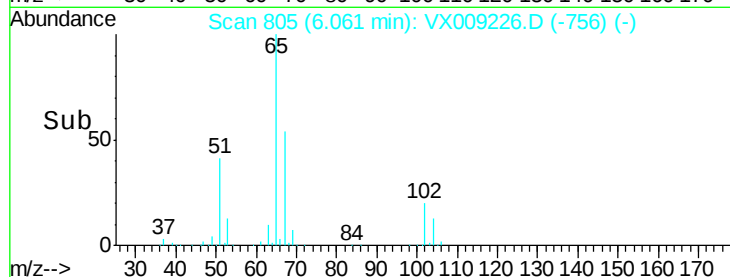
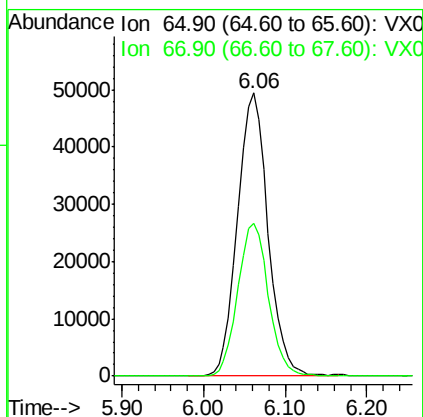
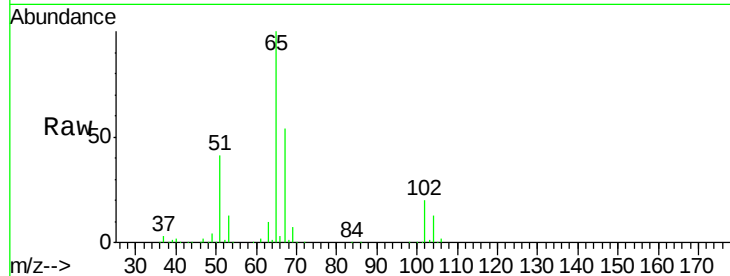




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.947 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX009226.D  
 Acq: 29 Apr 2019 22:36

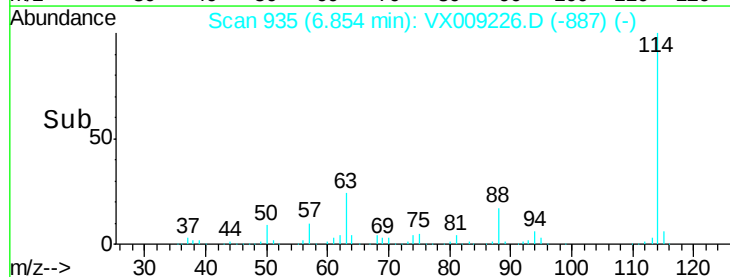
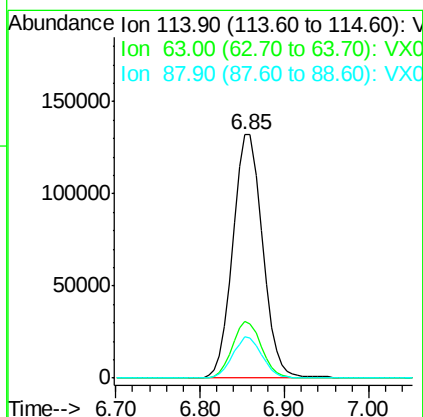
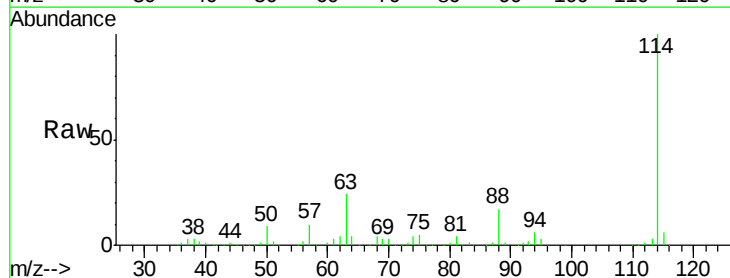
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021RW245-190423

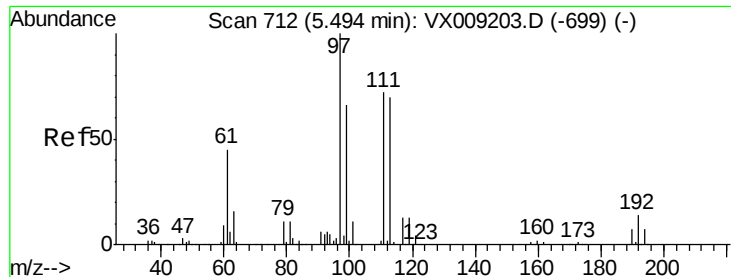
Tot Ion: 65 Resp: 128105  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX009226.D  
 Acq: 29 Apr 2019 22:36

Tgt Ion: 114 Resp: 315716  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 0.0 45.6  
 88 16.8 0.0 33.2

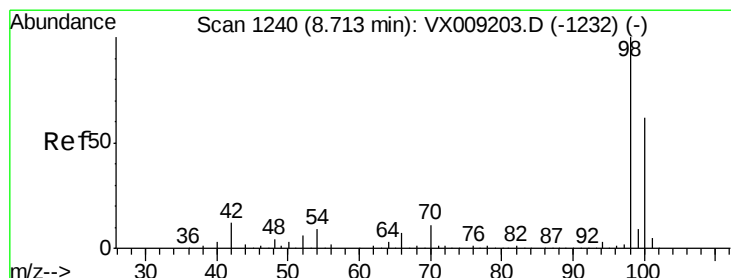
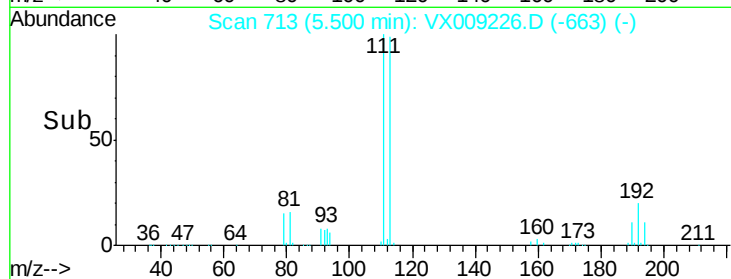
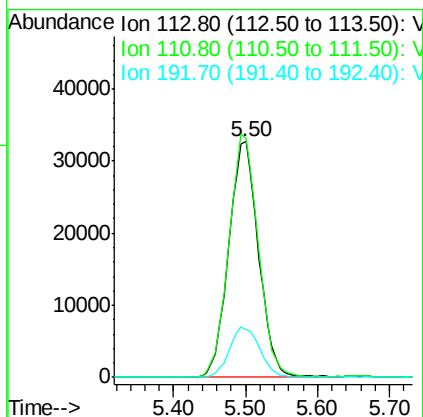
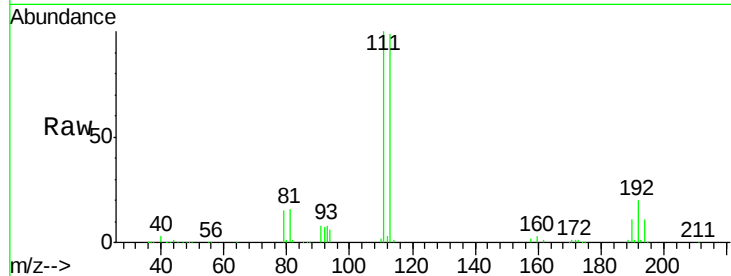




#35  
 Dibromofluoromethane  
 Concen: 47.391 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009226.D  
 Acq: 29 Apr 2019 22:36

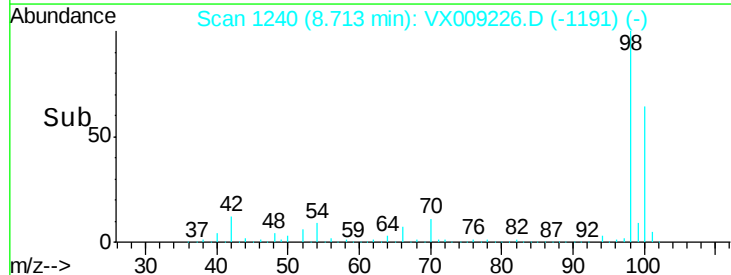
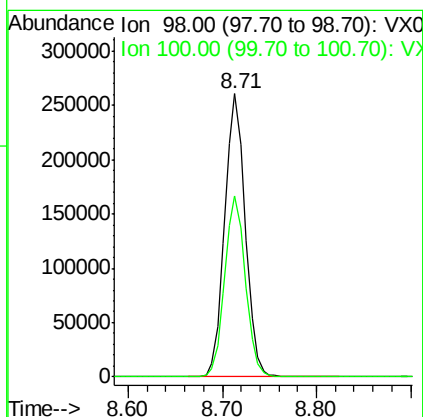
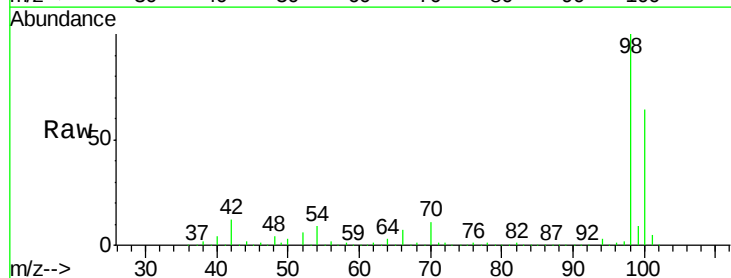
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021RW245-190423

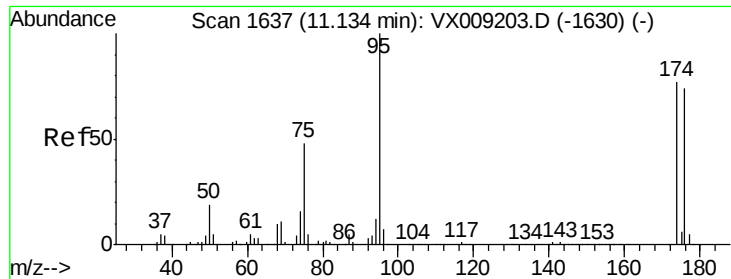
Tot Ion:113 Resp: 94058  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.8 124.2  
 192 21.8 17.0 25.6



#50  
 Toluene-d8  
 Concen: 49.425 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX009226.D  
 Acq: 29 Apr 2019 22:36

Tgt Ion: 98 Resp: 396034  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 49.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA\_X

ClientSampleId :

WP021RW245-190423

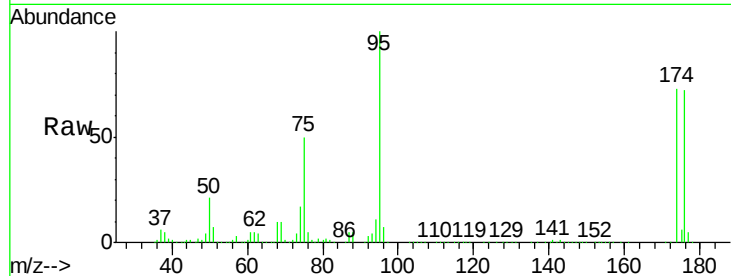
Tot Ion: 95 Resp: 142916

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.6

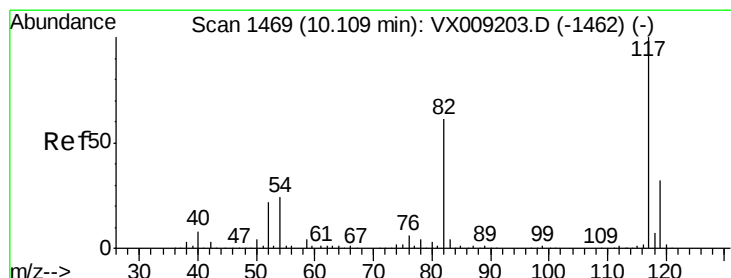
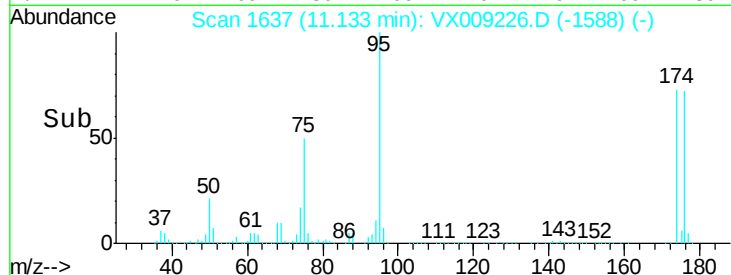
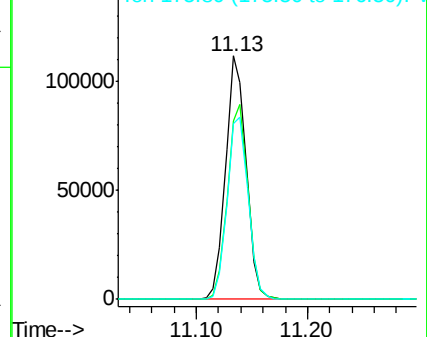
176 77.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009226.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009226.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009226.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

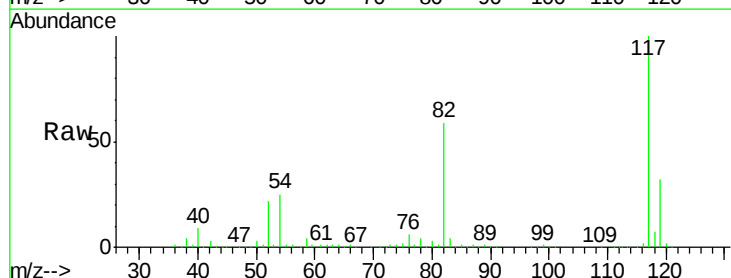
Tgt Ion: 117 Resp: 284043

Ion Ratio Lower Upper

117 100

82 59.3 48.8 73.2

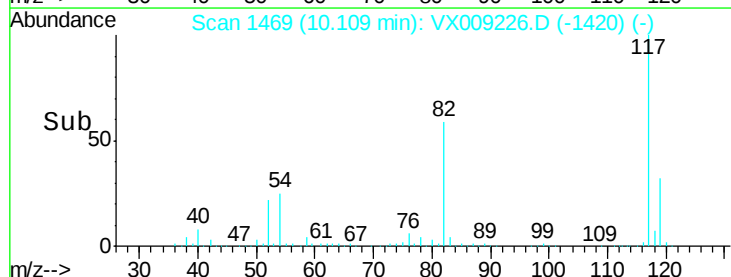
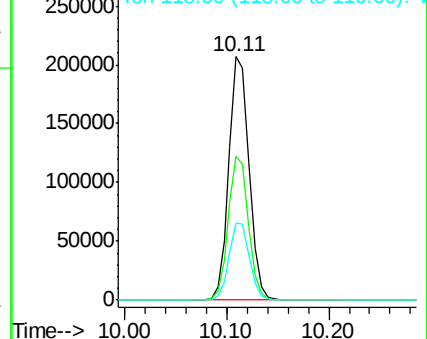
119 31.8 25.8 38.6

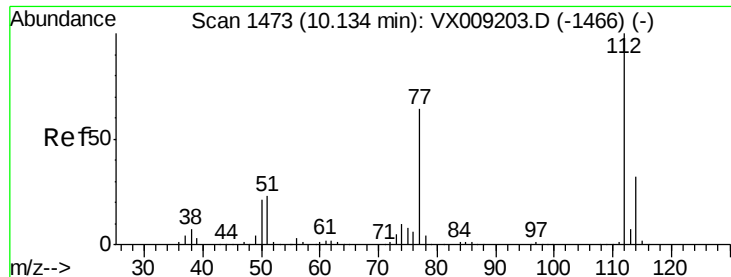


Abundance Ion 116.90 (116.60 to 117.60): VX009226.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009226.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009226.D (-1420) (-)





#65

Chlorobenzene

Concen: 3.395 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA\_X

ClientSampleId :

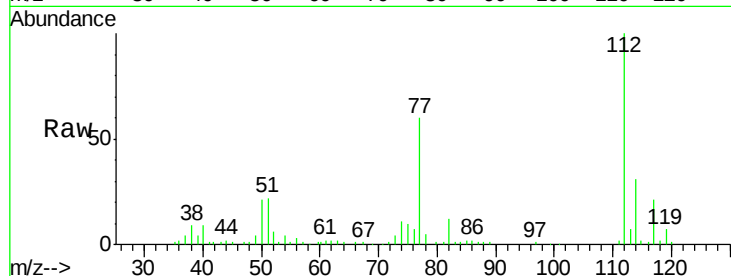
WP021RW245-190423

Tot Ion:112 Resp: 19289

Ion Ratio Lower Upper

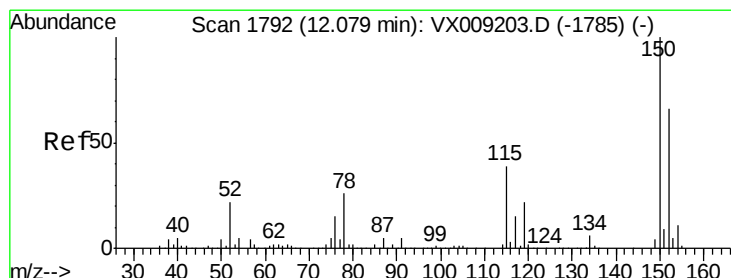
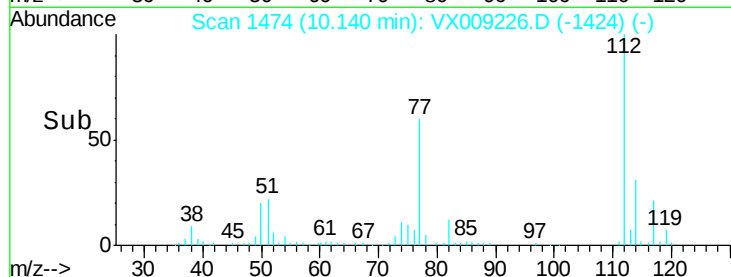
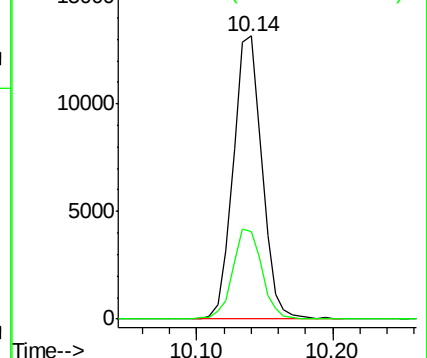
112 100

114 30.8 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: VX009226.D

Acq: 29 Apr 2019 22:36

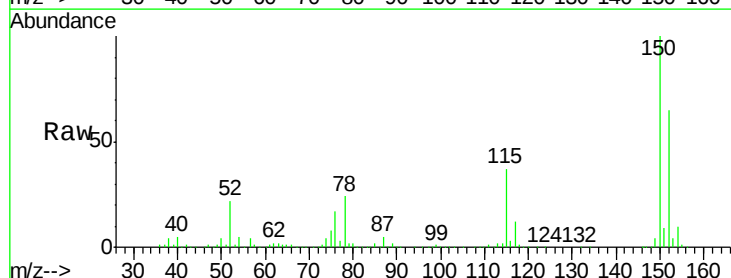
Tgt Ion:152 Resp: 130675

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

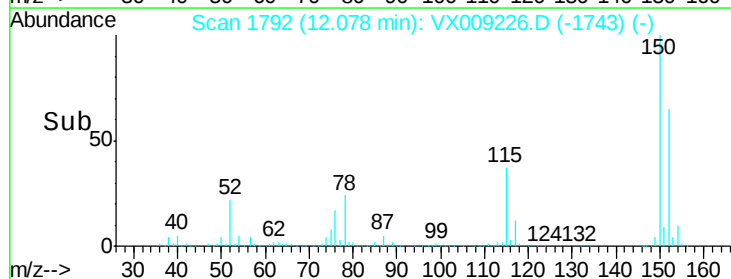
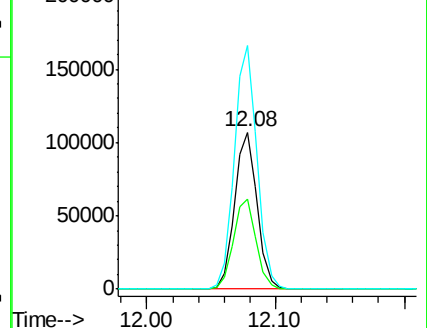
150 157.0 0.0 346.4

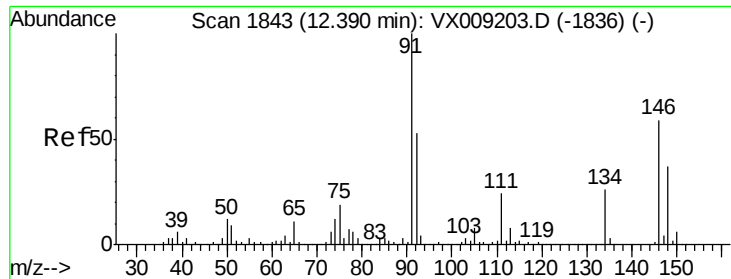


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#91  
 1,2-Dichlorobenzene  
 Concen: 0.427 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX009226.D  
 Acq: 29 Apr 2019 22:36

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021RW245-190423

Tot Ion:146 Resp: 1828  
 Ion Ratio Lower Upper  
 146 100  
 111 41.0 20.8 62.4  
 148 62.9 31.9 95.9

