

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009025.D
 Acq On : 17 Apr 2019 19:17
 Operator : JC/SP
 Sample : K2449-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW127-190415

Quant Time: Apr 18 04:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

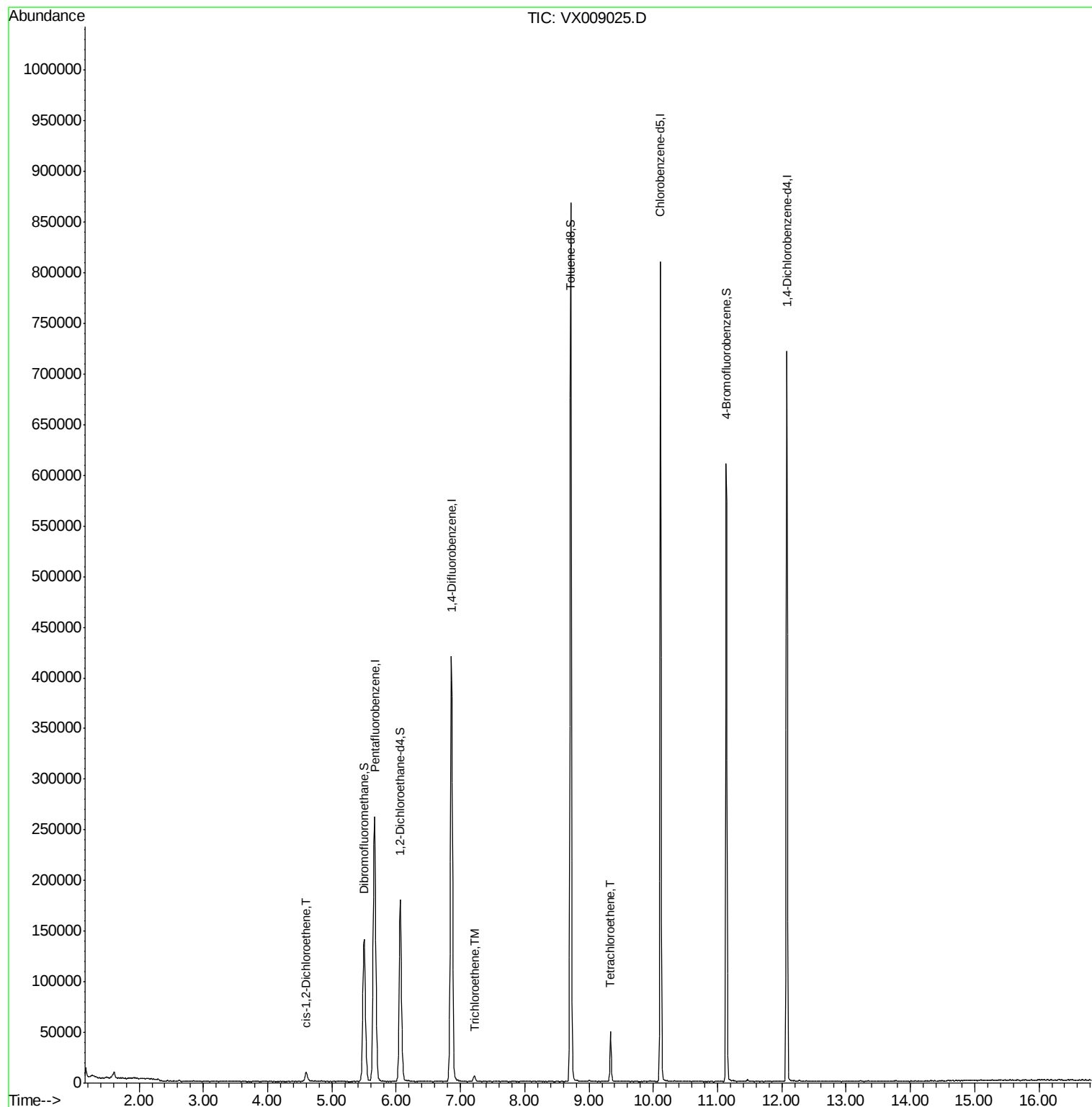
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404863	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	166942	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
35) Dibromofluoromethane	5.50	113	121240	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.32%	
50) Toluene-d8	8.71	98	502074	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.13	95	165040	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.59	96	5505	1.677	ug/l	89
44) Trichloroethene	7.21	130	2180	0.720	ug/l	83
64) Tetrachloroethene	9.34	164	9160	3.483	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009025.D

Acq: 17 Apr 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

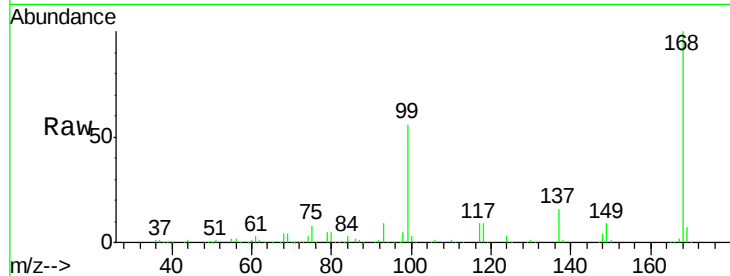
SS042MW127-190415

Tot Ion:168 Resp: 252773

Ion Ratio Lower Upper

168 100

99 56.0 43.0 64.6

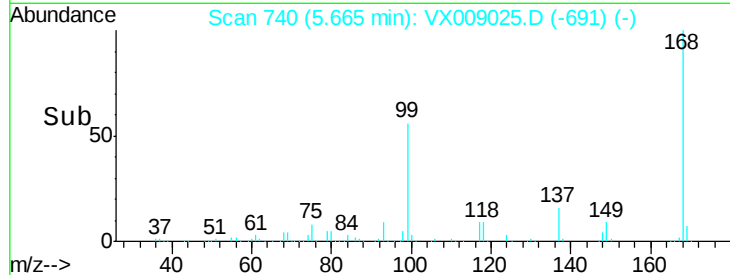


Abundance Ion 167.90 (167.60 to 168.60): V

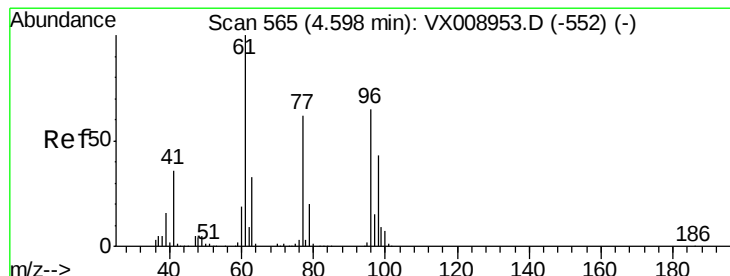
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.677 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009025.D

Acq: 17 Apr 2019 19:17

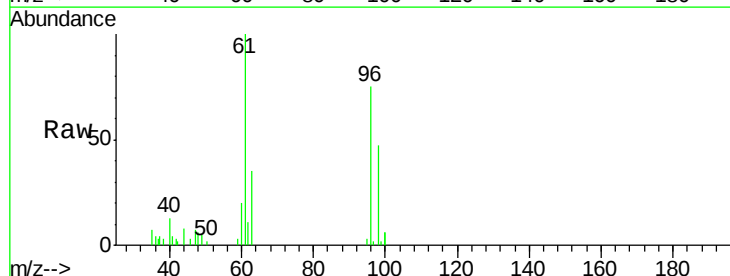
Tgt Ion: 96 Resp: 5505

Ion Ratio Lower Upper

96 100

61 142.1 0.0 322.0

98 67.6 0.0 128.4



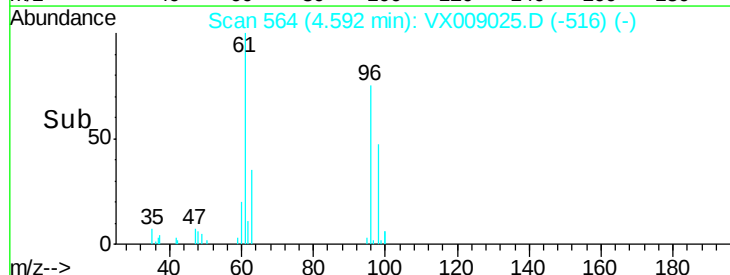
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

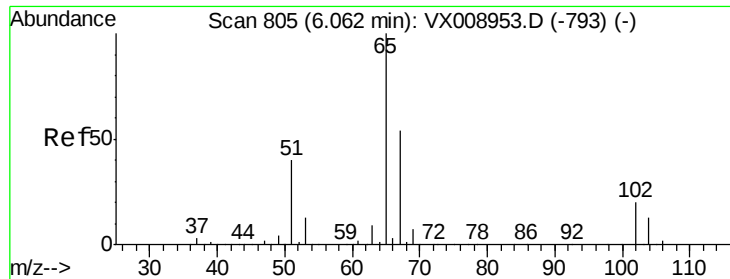
Ion 97.90 (97.60 to 98.60): VX0

4.59

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.864 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009025.D

Acq: 17 Apr 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

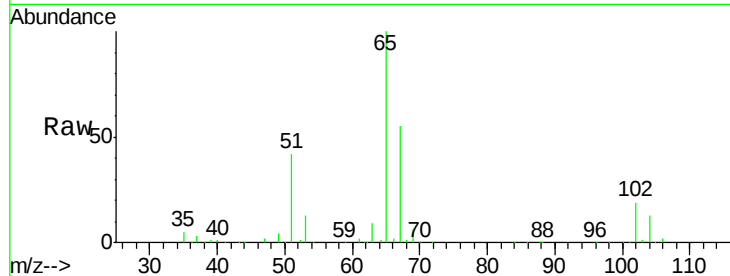
SS042MW127-190415

Tot Ion: 65 Resp: 166942

Ion Ratio Lower Upper

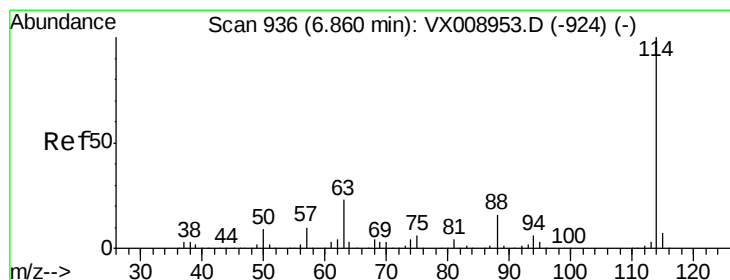
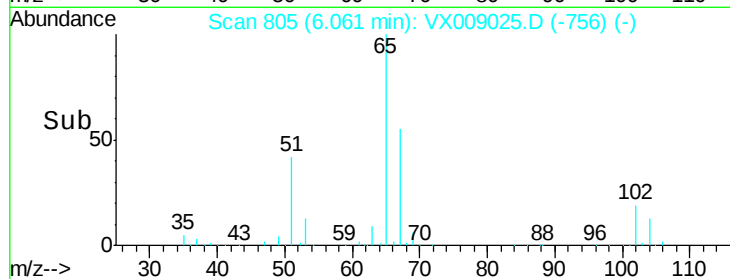
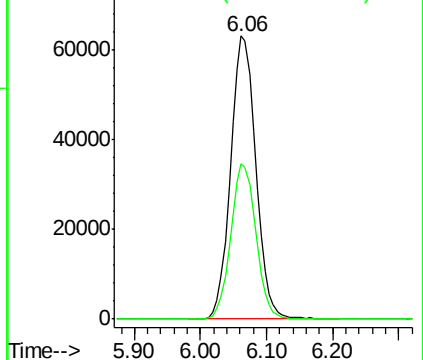
65 100

67 54.7 0.0 108.6



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: VX009025.D

Acq: 17 Apr 2019 19:17

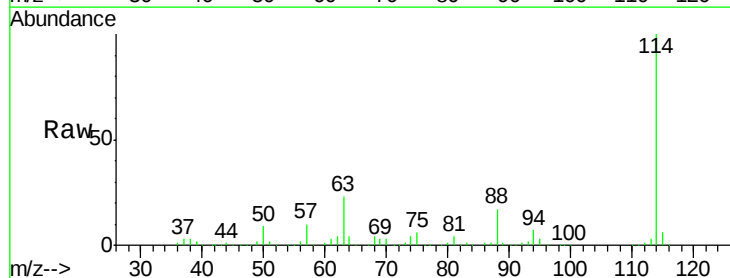
Tgt Ion: 114 Resp: 404863

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.0

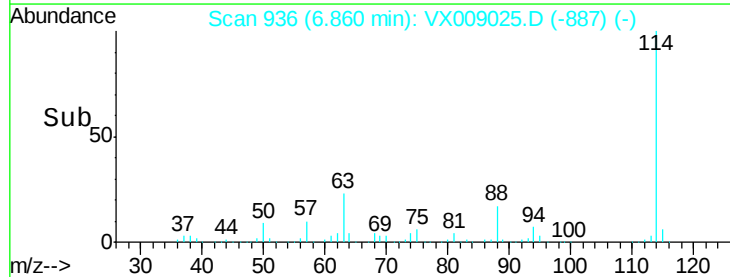
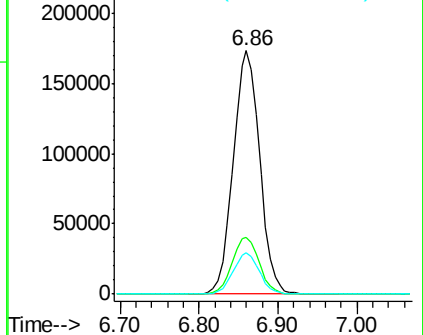
88 16.8 0.0 32.6

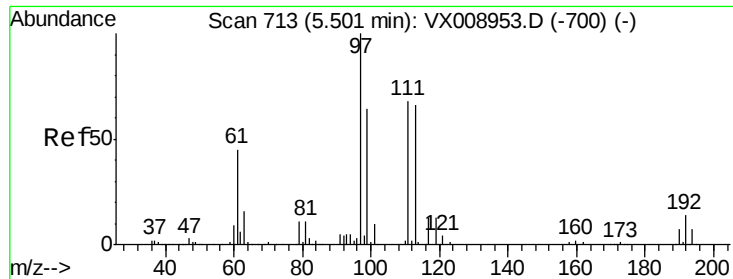


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.661 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009025.D

Acq: 17 Apr 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

SS042MW127-190415

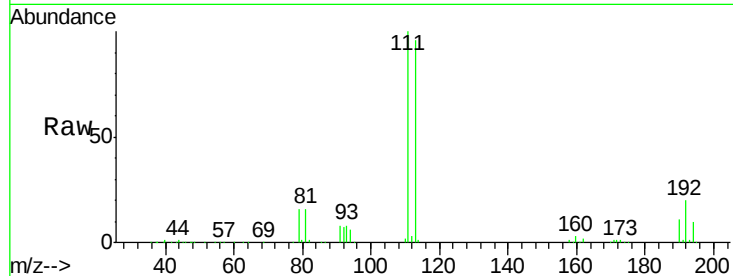
Tot Ion:113 Resp: 121240

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

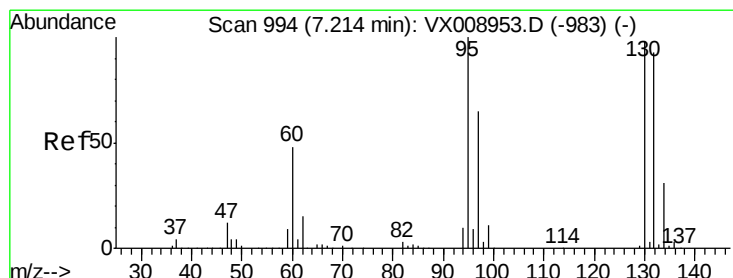
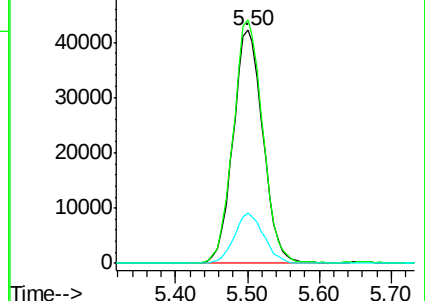
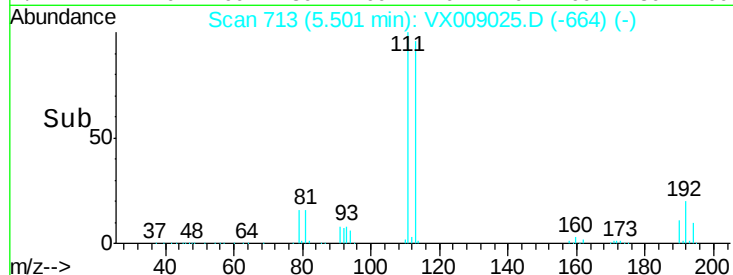
192 21.3 17.4 26.0



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: 0.720 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009025.D

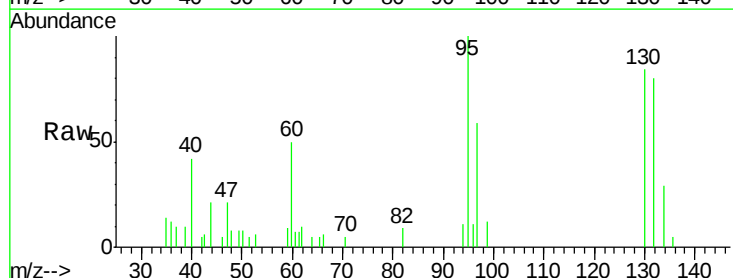
Acq: 17 Apr 2019 19:17

Tgt Ion:130 Resp: 2180

Ion Ratio Lower Upper

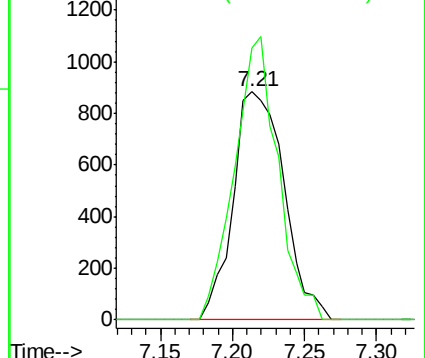
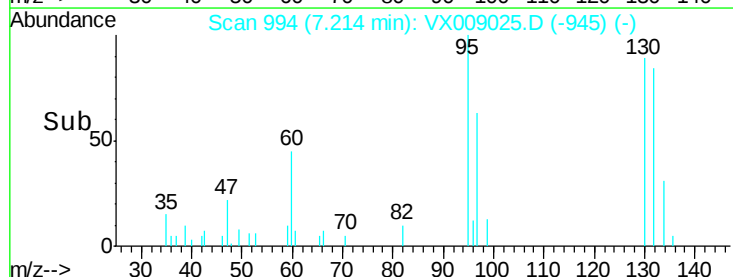
130 100

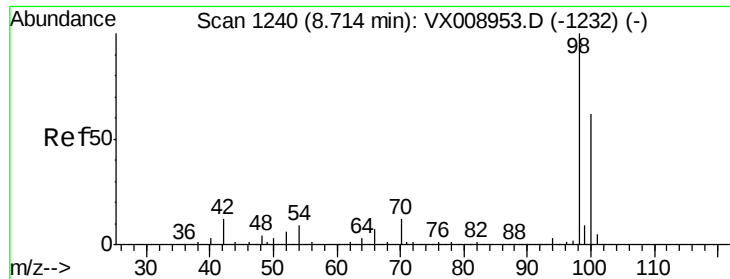
95 119.3 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.452 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009025.D

Acq: 17 Apr 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

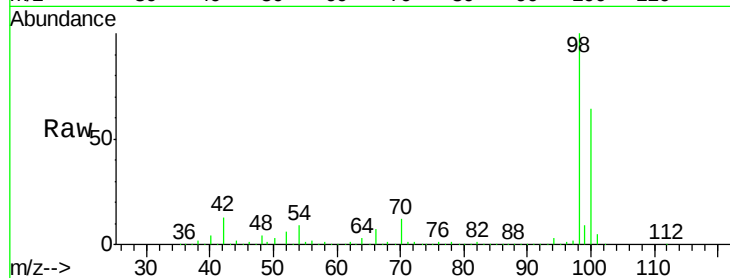
SS042MW127-190415

Tot Ion: 98 Resp: 502074

Ion Ratio Lower Upper

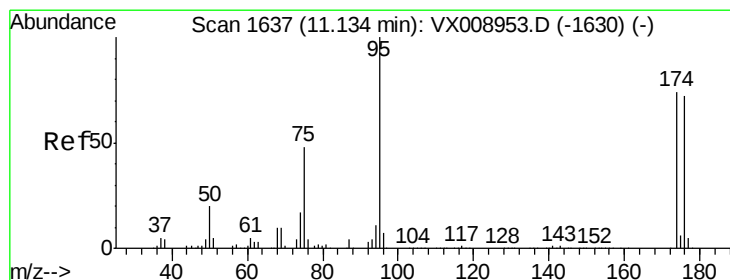
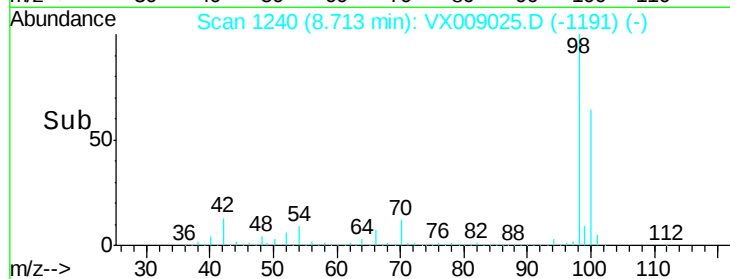
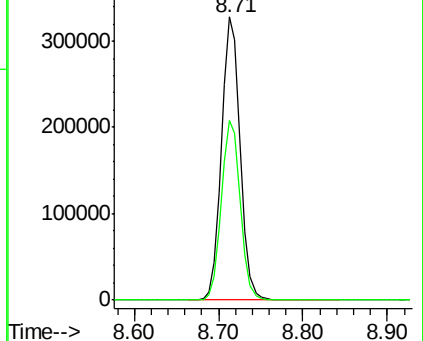
98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.119 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009025.D

Acq: 17 Apr 2019 19:17

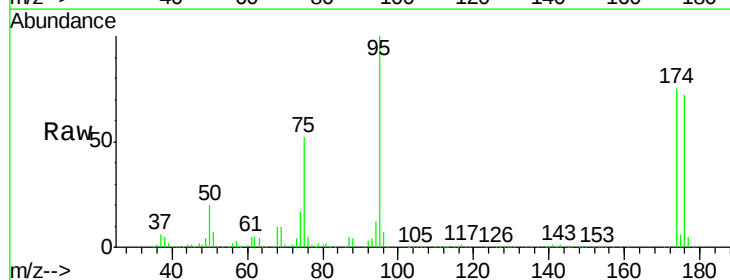
Tgt Ion: 95 Resp: 165040

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.6

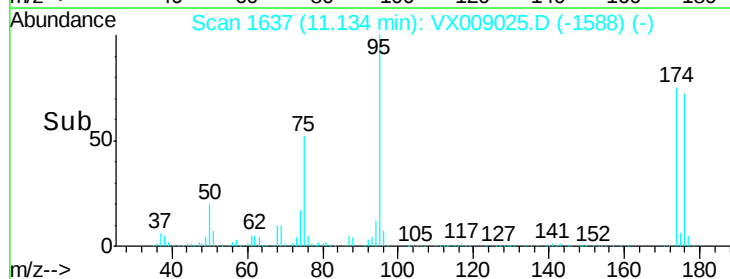
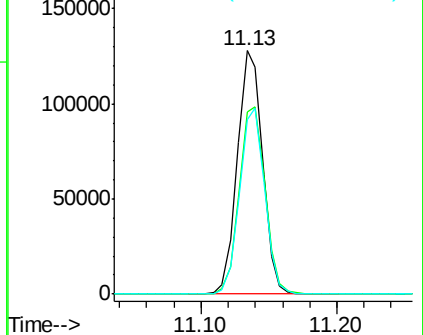
176 76.1 0.0 154.8

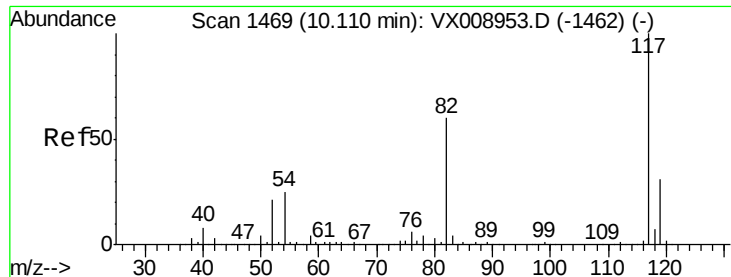


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

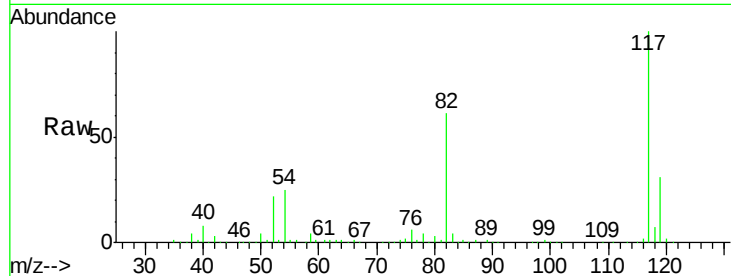




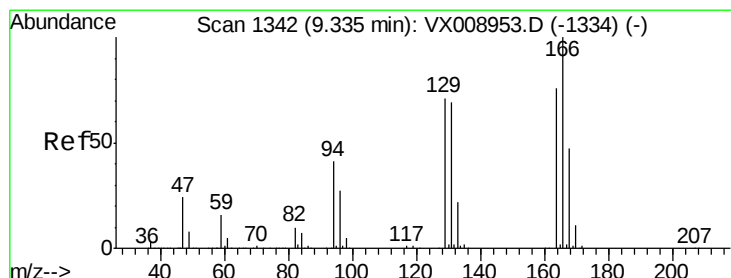
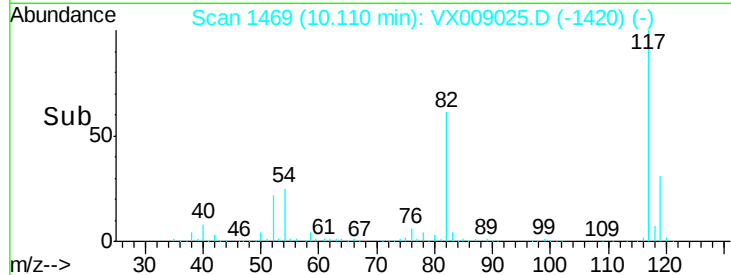
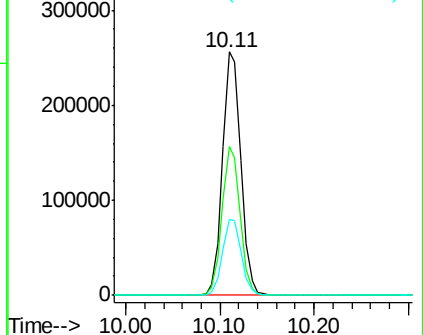
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009025.D
Acq: 17 Apr 2019 19:17

Instrument :
MSVOA_X
ClientSampleId :
SS042MW127-190415

Tot Ion:117 Resp: 346169
Ion Ratio Lower Upper
117 100
82 60.9 48.2 72.4
119 31.5 25.0 37.6



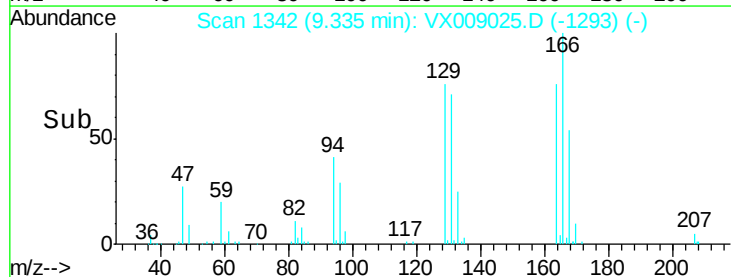
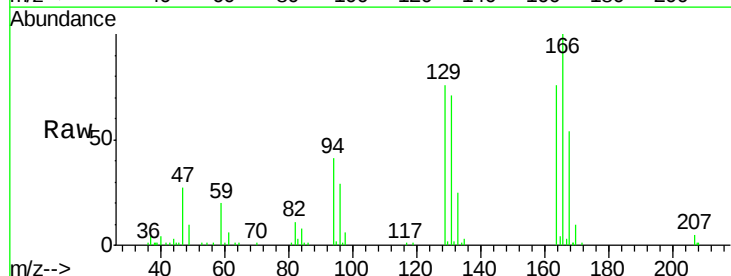
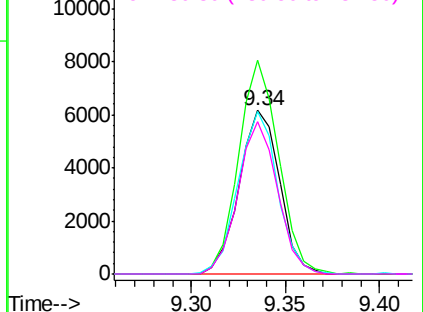
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

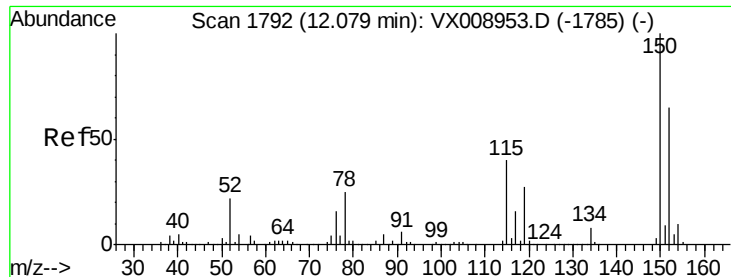


#64
Tetrachloroethene
Concen: 3.483 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009025.D
Acq: 17 Apr 2019 19:17

Tgt Ion:164 Resp: 9160
Ion Ratio Lower Upper
164 100
166 130.8 105.0 157.4
129 99.5 74.2 111.4
131 93.1 72.2 108.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009025.D

Acq: 17 Apr 2019 19:17

Instrument :

MSVOA_X

ClientSampleId :

SS042MW127-190415

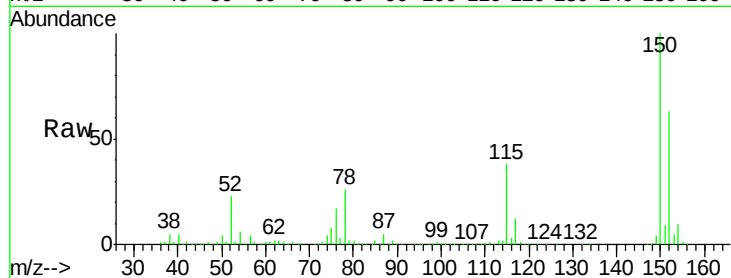
Tot Ion:152 Resp: 146116

Ion Ratio Lower Upper

152 100

115 60.1 41.4 124.2

150 156.2 0.0 349.8



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

