

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008987.D
 Acq On : 16 Apr 2019 15:05
 Operator : JC/SP
 Sample : K2425-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-190415

Quant Time: Apr 17 05:36:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

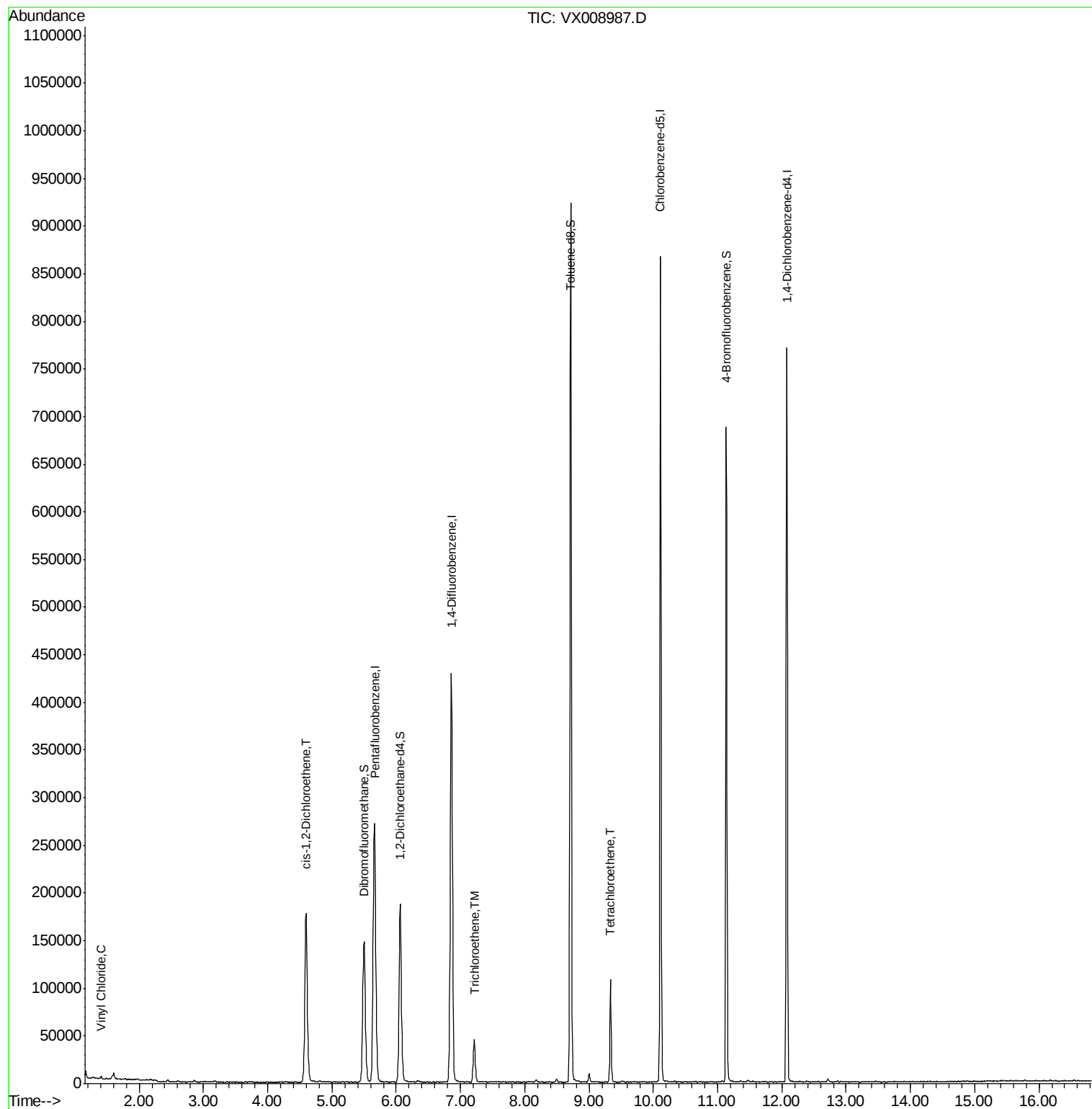
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	424601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	370517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159023	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	172538	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
35) Dibromofluoromethane	5.50	113	126434	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
50) Toluene-d8	8.71	98	529146	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.13	95	176551	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
Target Compounds						
4) Vinyl Chloride	1.41	62	2106	0.574	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	111770	32.260	ug/l	90
44) Trichloroethene	7.21	130	17267	5.440	ug/l	94
64) Tetrachloroethene	9.34	164	20517	7.289	ug/l	97

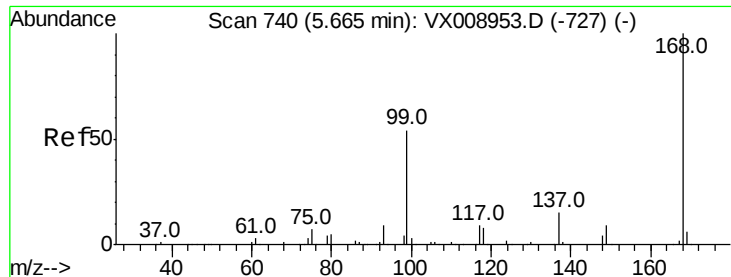
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008987.D

Acq: 16 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

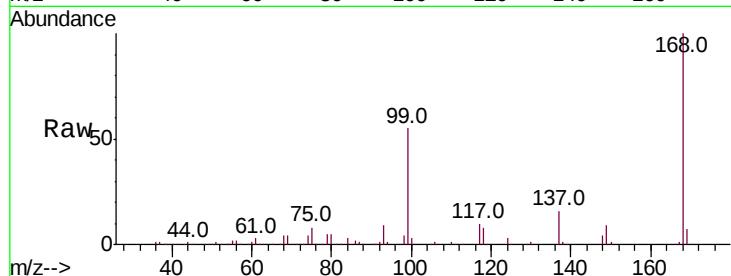
KY038PS027-190415

Tot Ion:168 Resp: 266787

Ion Ratio Lower Upper

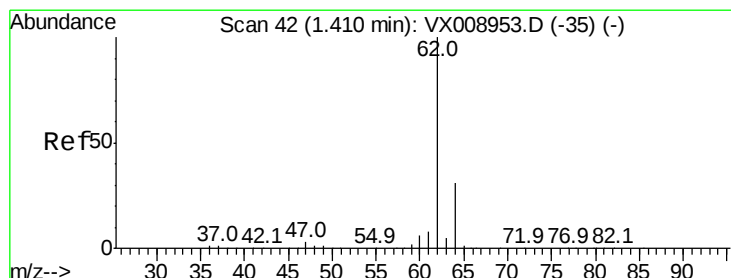
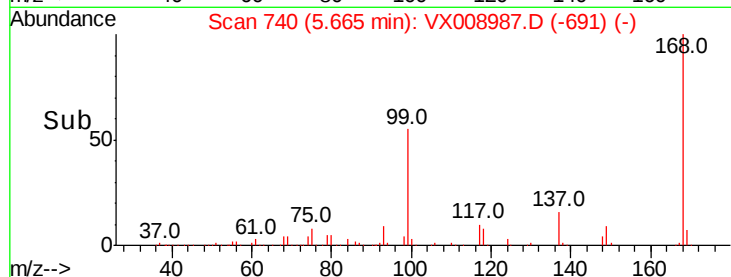
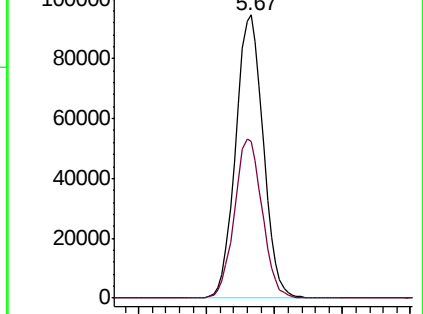
168 100

99 55.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.574 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008987.D

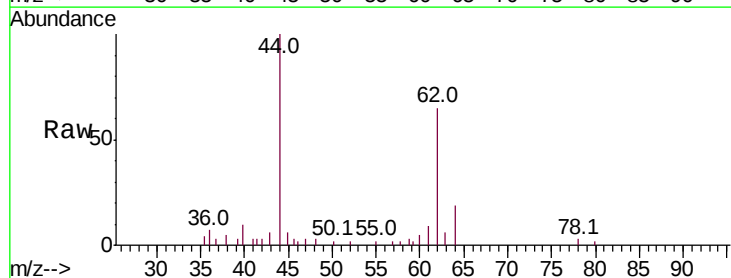
Acq: 16 Apr 2019 15:05

Tgt Ion: 62 Resp: 2106

Ion Ratio Lower Upper

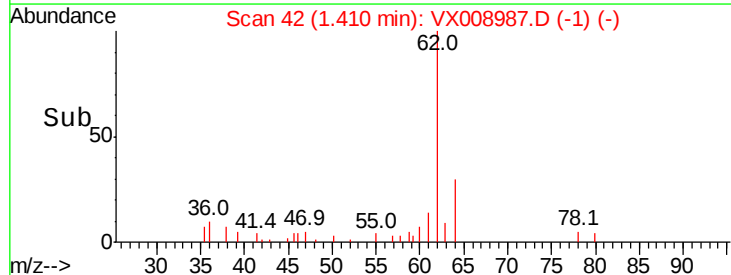
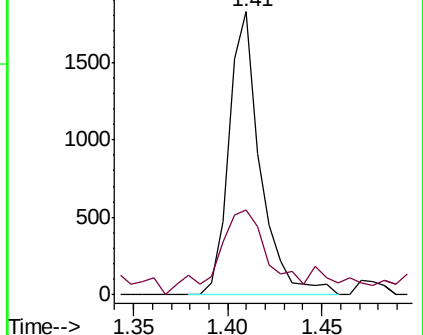
62 100

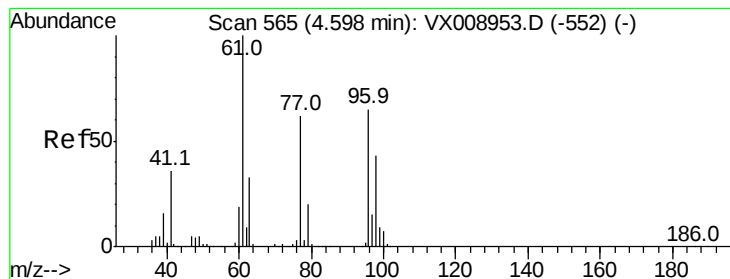
64 25.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



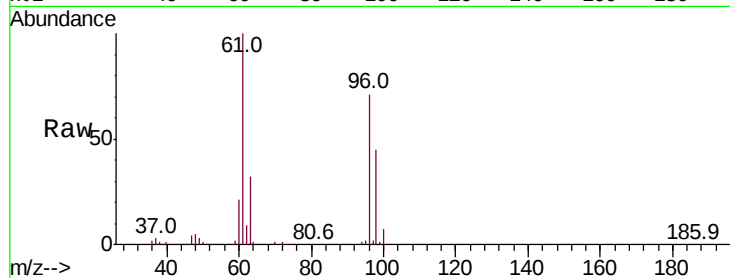


#27

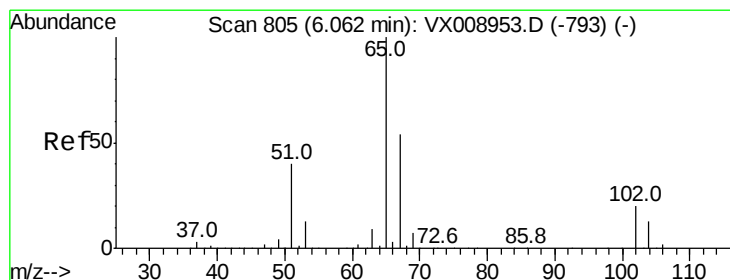
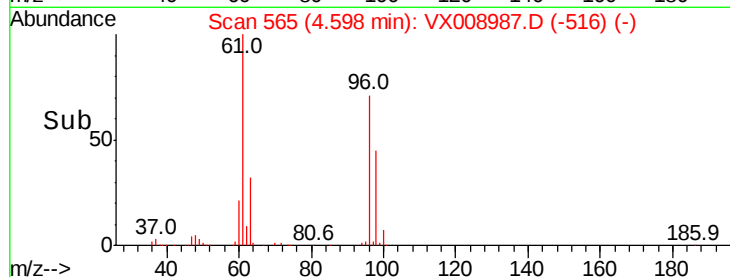
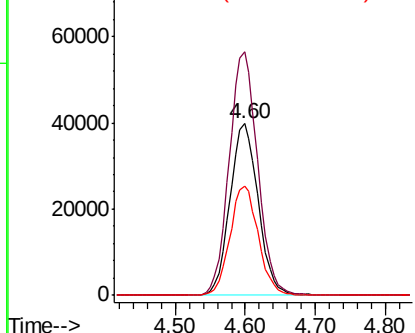
cis-1,2-Dichloroethene
 Concen: 32.260 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008987.D
 Acq: 16 Apr 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-190415

Tot Ion: 96 Resp: 111770
 Ion Ratio Lower Upper
 96 100
 61 143.2 0.0 322.0
 98 64.0 0.0 128.4



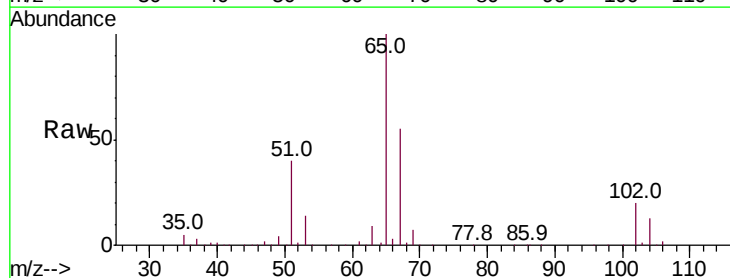
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



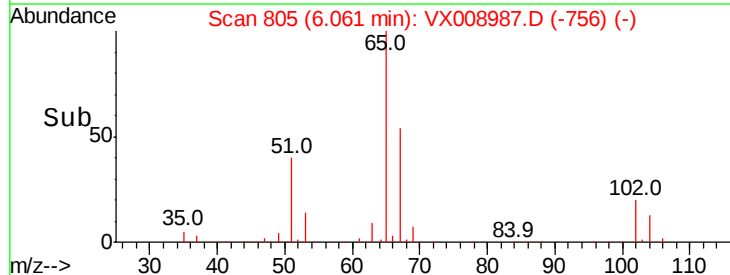
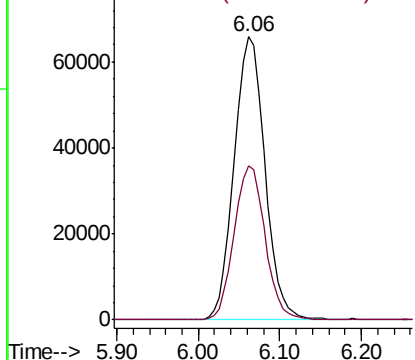
#33

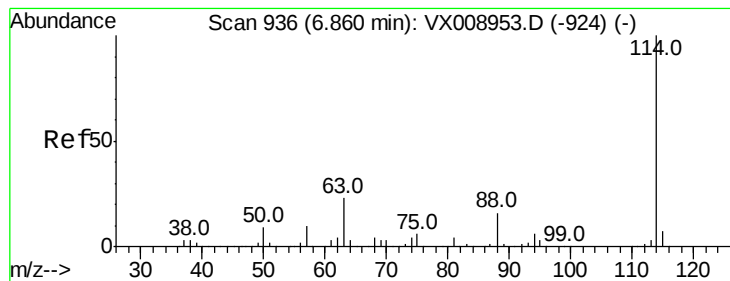
1,2-Dichloroethane-d4
 Concen: 45.890 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008987.D
 Acq: 16 Apr 2019 15:05

Tgt Ion: 65 Resp: 172538
 Ion Ratio Lower Upper
 65 100
 67 55.0 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: VX008987.D

Acq: 16 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-190415

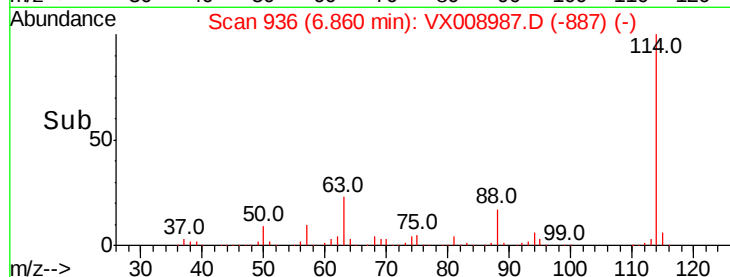
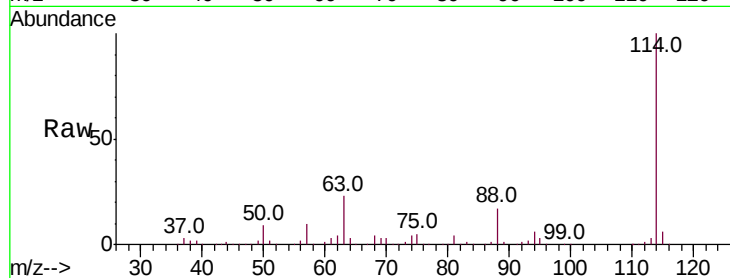
Tot Ion:114 Resp: 424601

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.0

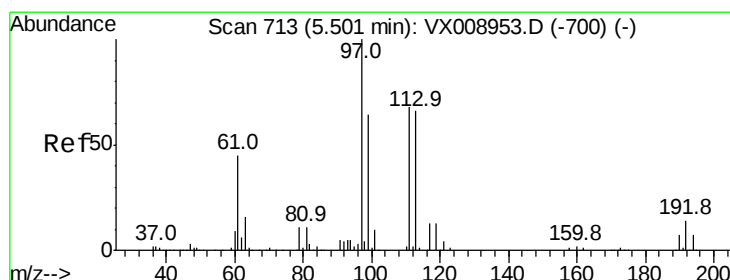
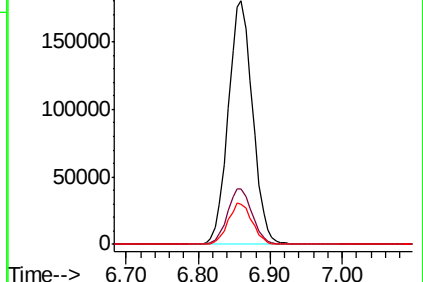
88 16.7 0.0 32.6



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: 46.398 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008987.D

Acq: 16 Apr 2019 15:05

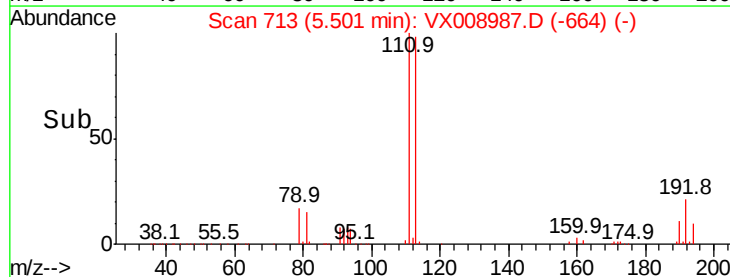
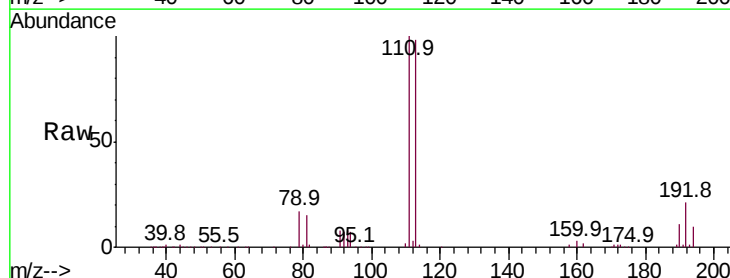
Tgt Ion:113 Resp: 126434

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

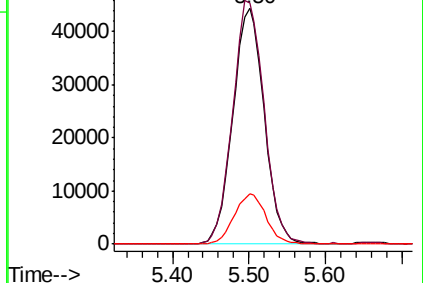
192 21.4 17.4 26.0

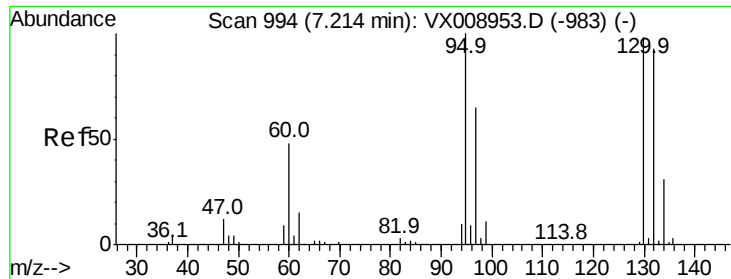


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

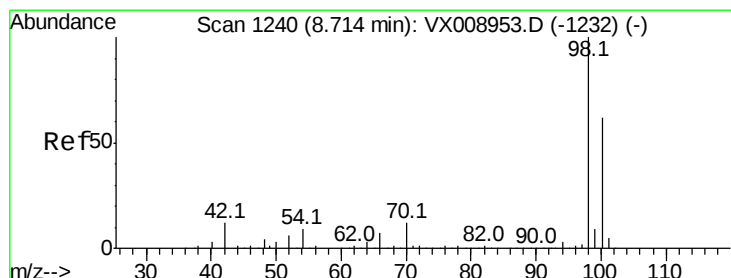
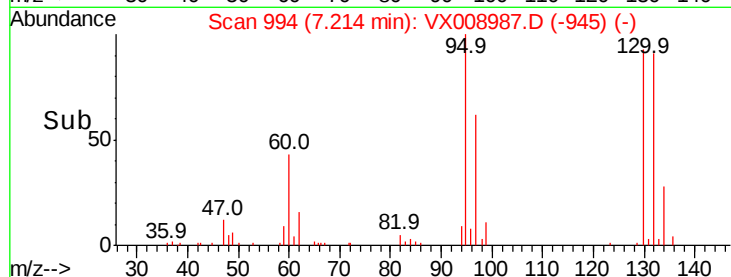
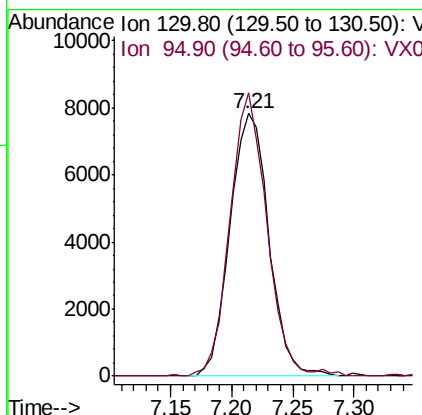
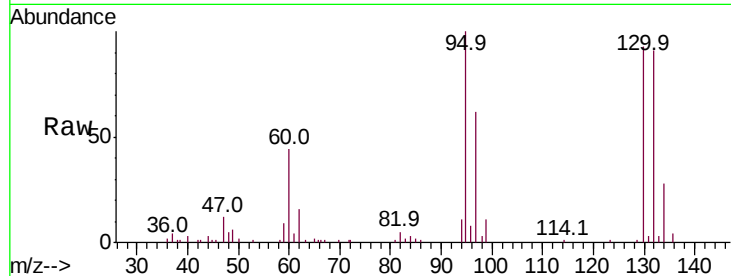




#44
 Trichloroethene
 Concen: 5.440 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008987.D
 Acq: 16 Apr 2019 15:05

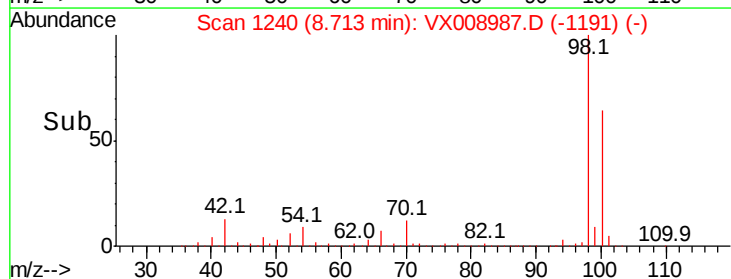
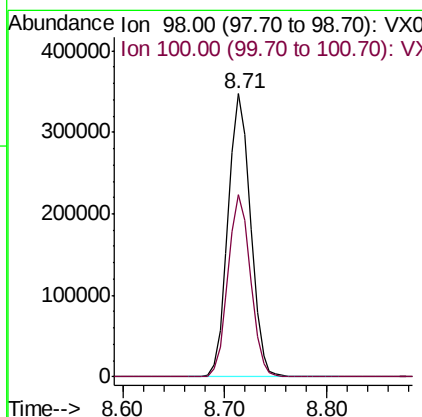
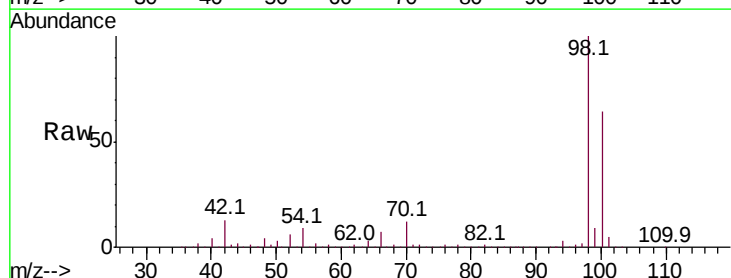
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-190415

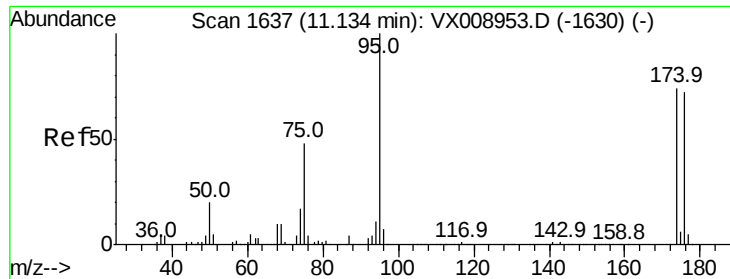
Tot Ion:130 Resp: 17267
 Ion Ratio Lower Upper
 130 100
 95 107.9 0.0 203.2



#50
 Toluene-d8
 Concen: 48.691 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008987.D
 Acq: 16 Apr 2019 15:05

Tgt Ion: 98 Resp: 529146
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 46.022 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008987.D

Acq: 16 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-190415

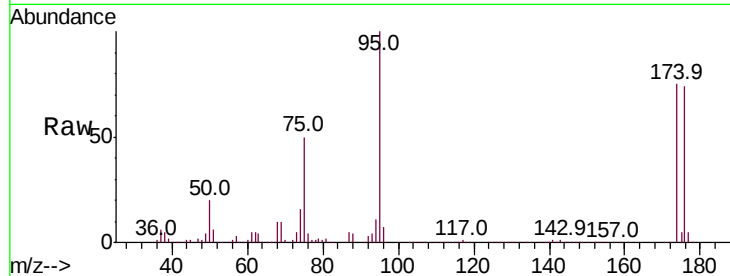
Tot Ion: 95 Resp: 176551

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.6

176 77.8 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)

11.13

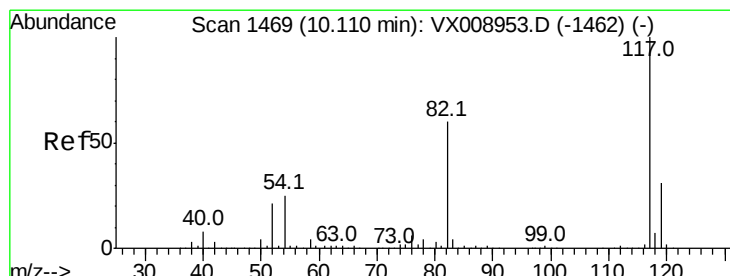
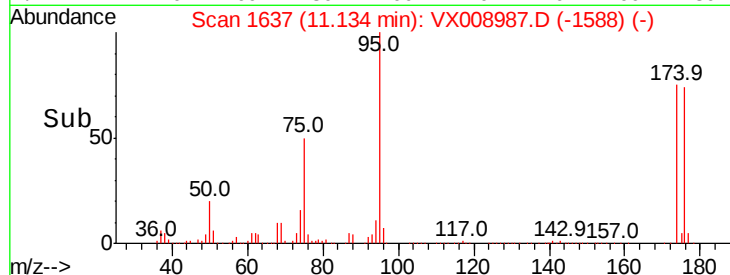
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008987.D

Acq: 16 Apr 2019 15:05

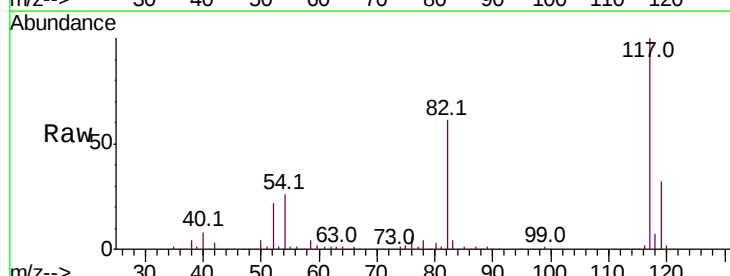
Tgt Ion: 117 Resp: 370517

Ion Ratio Lower Upper

117 100

82 61.4 48.2 72.4

119 31.9 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)

10.11

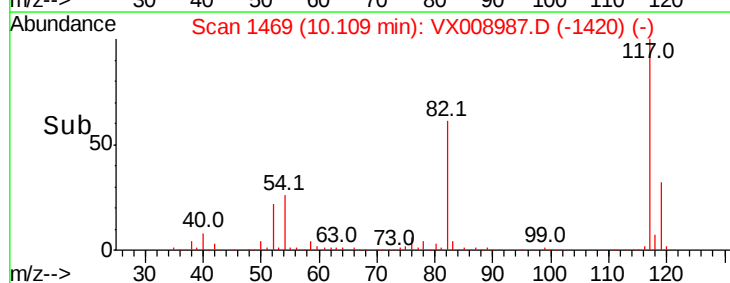
300000

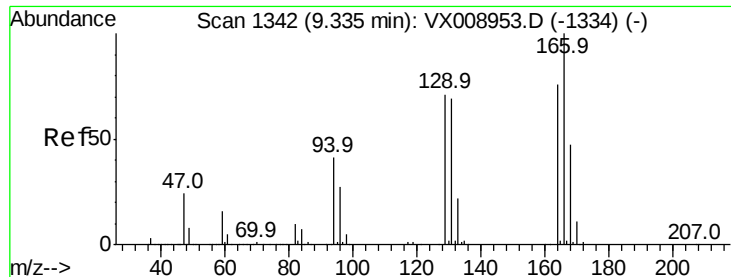
200000

100000

0

Time--> 10.00 10.10 10.20





#64

Tetrachloroethene

Concen: 7.289 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008987.D

Acq: 16 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-190415

Tot Ion:164 Resp: 20517

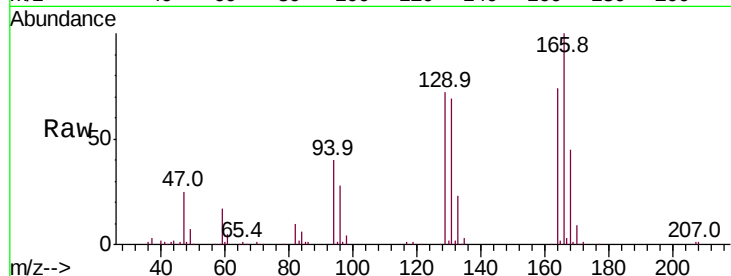
Ion Ratio Lower Upper

164 100

166 134.6 105.0 157.4

129 96.7 74.2 111.4

131 92.2 72.2 108.2



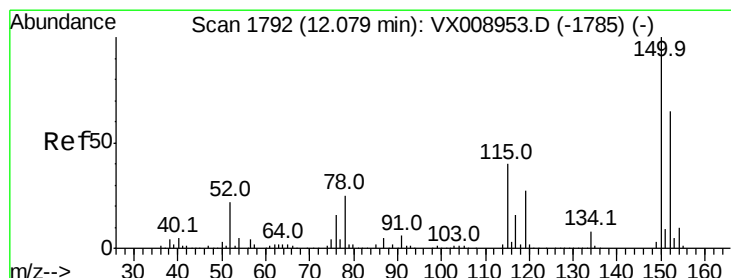
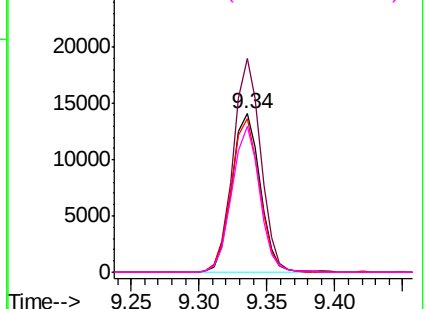
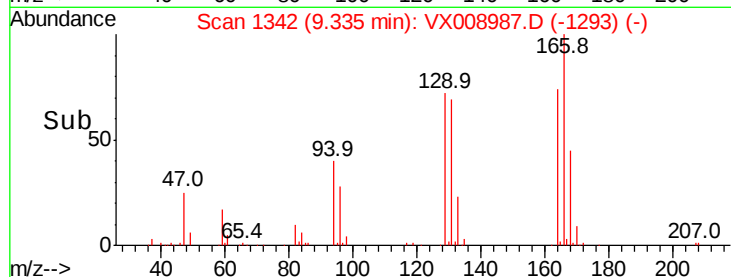
Abundance

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: VX008987.D

Acq: 16 Apr 2019 15:05

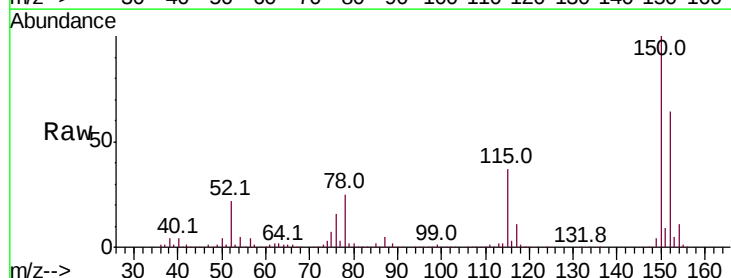
Tgt Ion:152 Resp: 159023

Ion Ratio Lower Upper

152 100

115 58.9 41.4 124.2

150 156.9 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

