

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008246.D
 Acq On : 20 Mar 2019 16:54
 Operator : JC/SP
 Sample : K1963-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302S-20190314

Quant Time: Mar 22 07:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

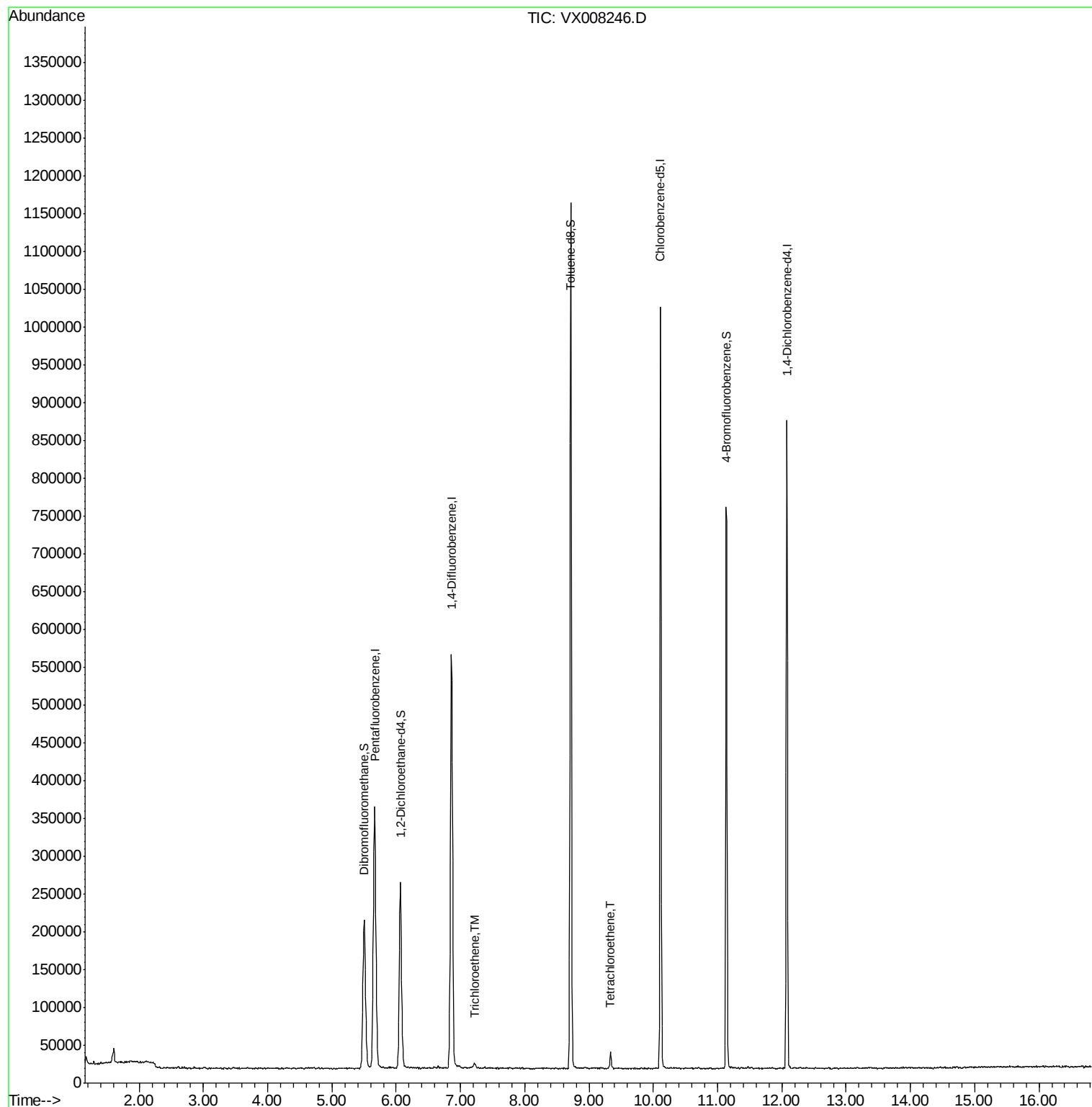
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	531430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	442044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	227694	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	
35) Dibromofluoromethane	5.50	113	168566	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	652615	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	200107	43.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.18%	
Target Compounds						
44) Trichloroethene	7.22	130	2765	0.618	ug/l	96
64) Tetrachloroethene	9.34	164	3999	1.003	ug/l	94

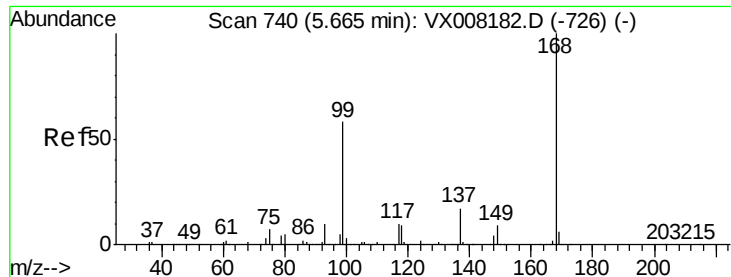
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

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Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

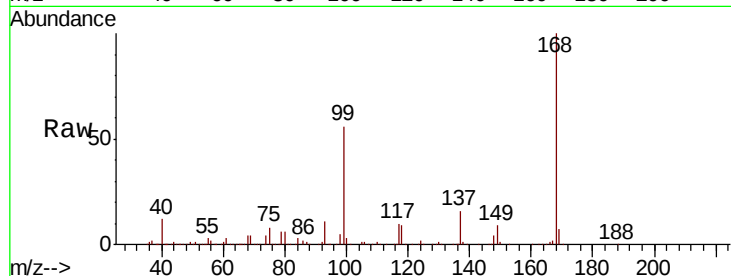
BPS1-TT-MW302S-20190314

Tot Ion:168 Resp: 325329

Ion Ratio Lower Upper

168 100

99 56.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

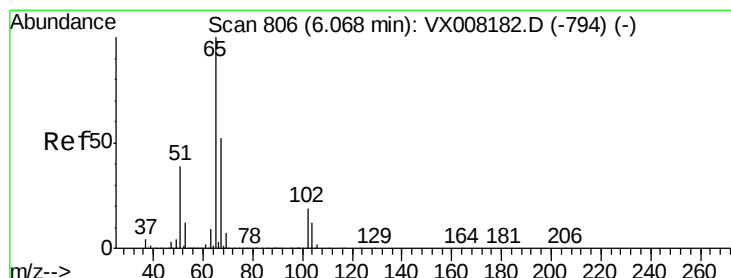
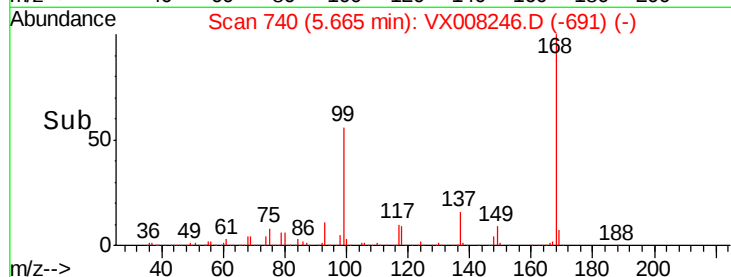
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.471 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008246.D

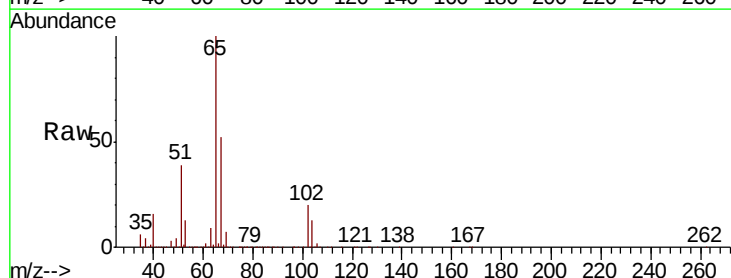
Acq: 20 Mar 2019 16:54

Tgt Ion: 65 Resp: 227694

Ion Ratio Lower Upper

65 100

67 53.1 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

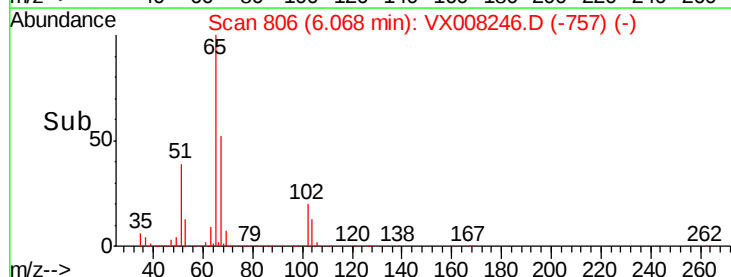
60000

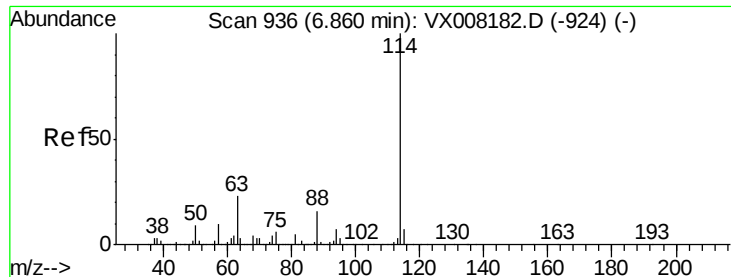
40000

20000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

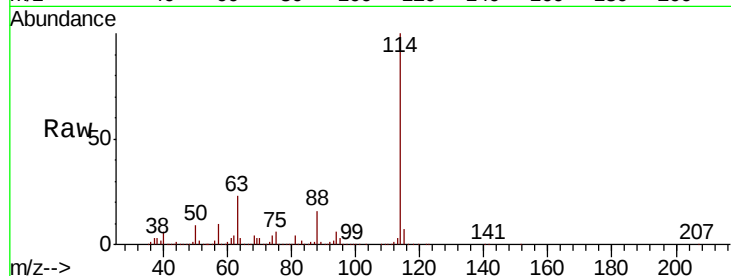
Tot Ion:114 Resp: 531430

Ion Ratio Lower Upper

114 100

63 23.2 0.0 39.8

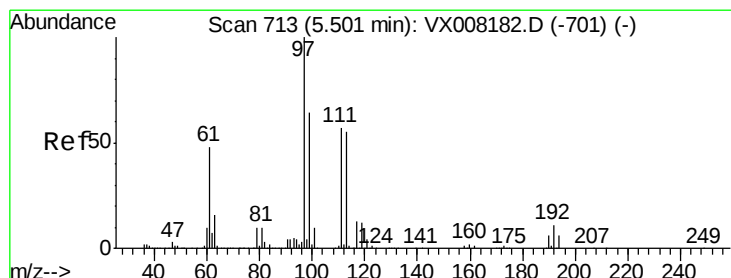
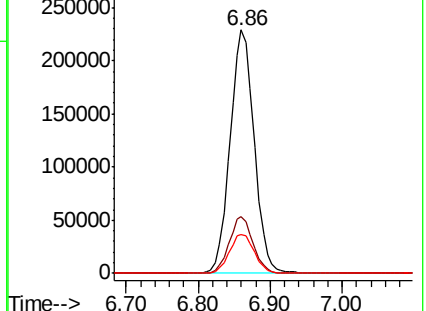
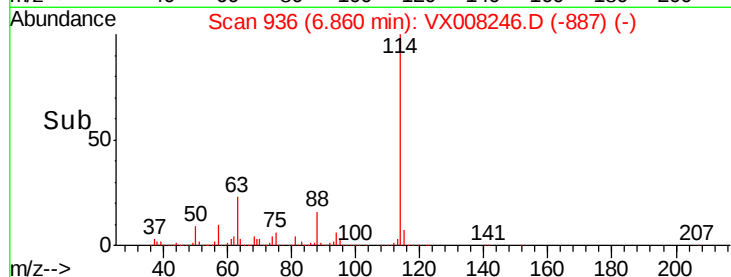
88 16.1 0.0 31.4



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: 47.382 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

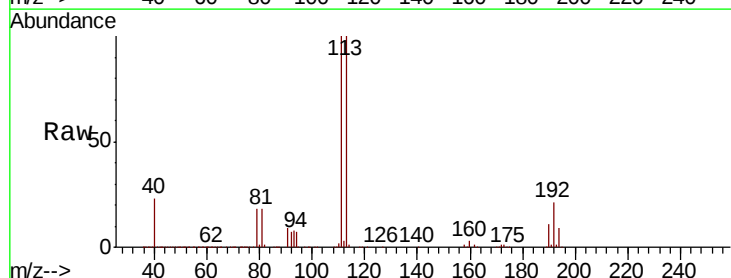
Tgt Ion:113 Resp: 168566

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

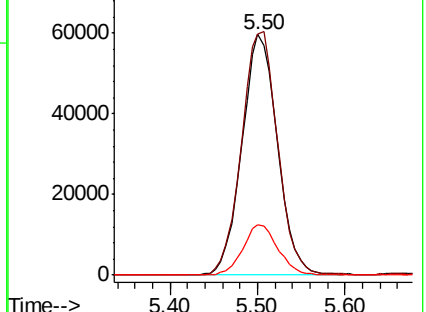
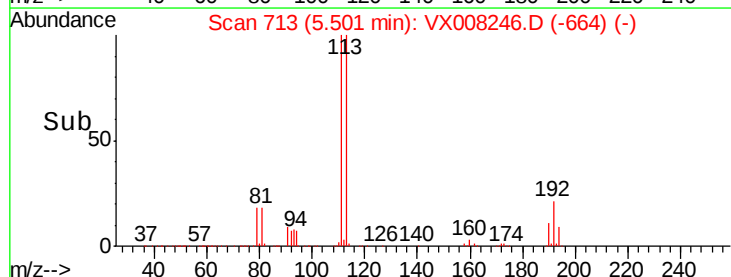
192 20.6 19.4 29.0

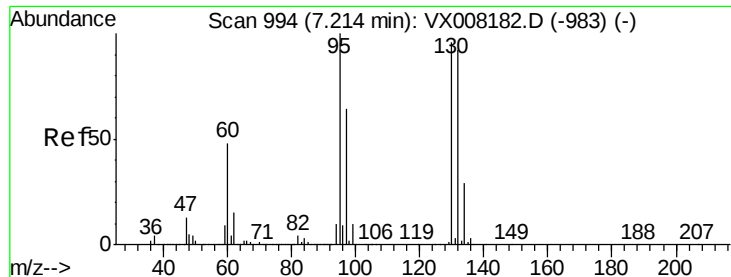


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.618 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

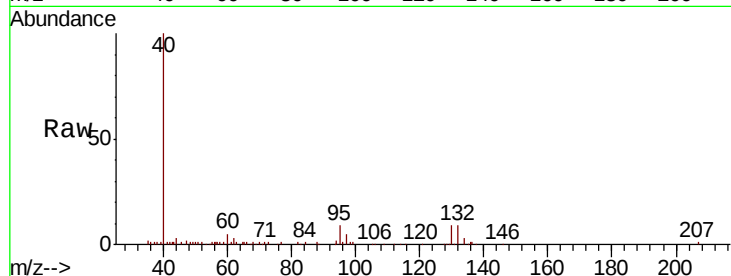
BPS1-TT-MW302S-20190314

Tot Ion:130 Resp: 2765

Ion Ratio Lower Upper

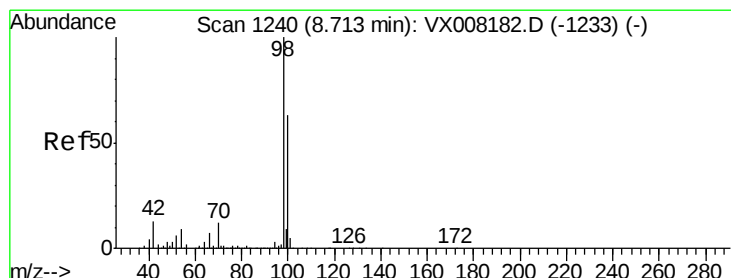
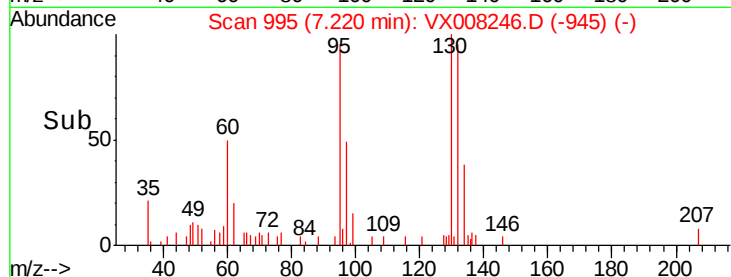
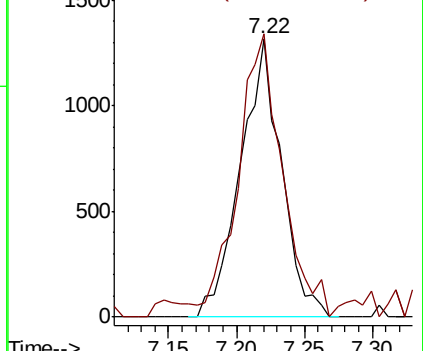
130 100

95 97.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.385 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008246.D

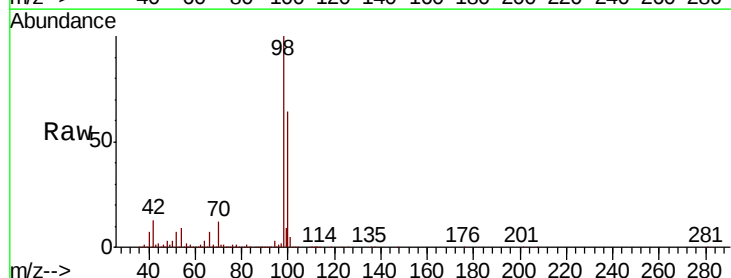
Acq: 20 Mar 2019 16:54

Tgt Ion: 98 Resp: 652615

Ion Ratio Lower Upper

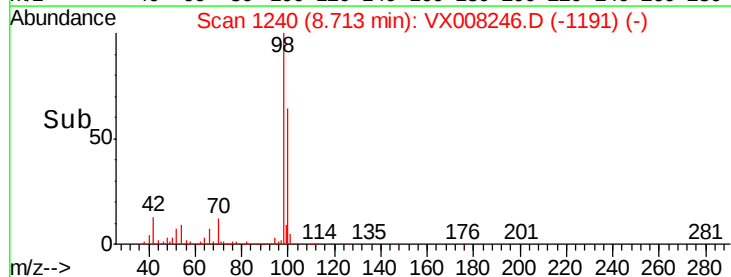
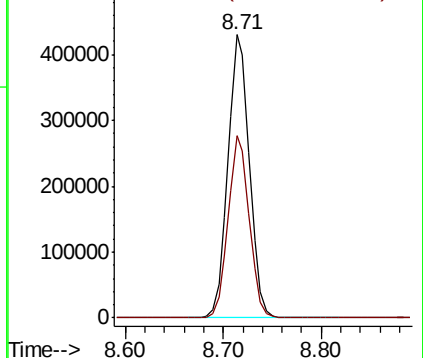
98 100

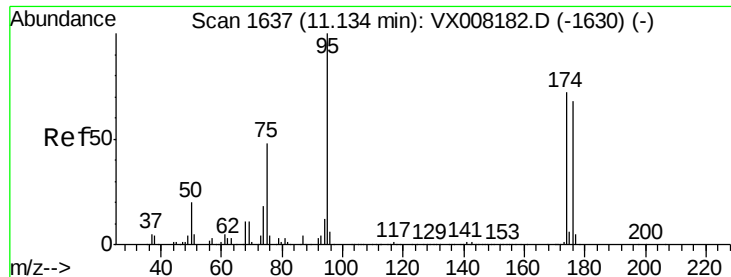
100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

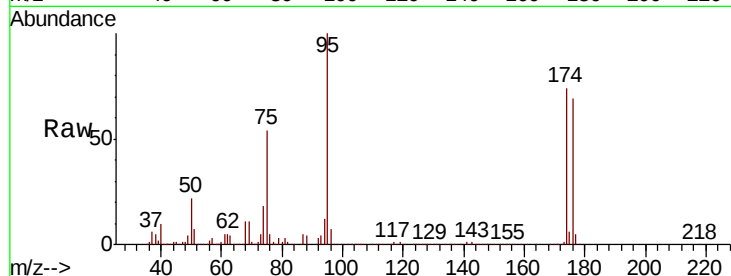
Tot Ion: 95 Resp: 200107

Ion Ratio Lower Upper

95 100

174 78.7 0.0 182.8

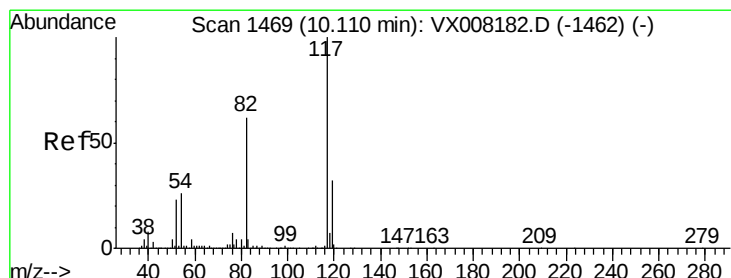
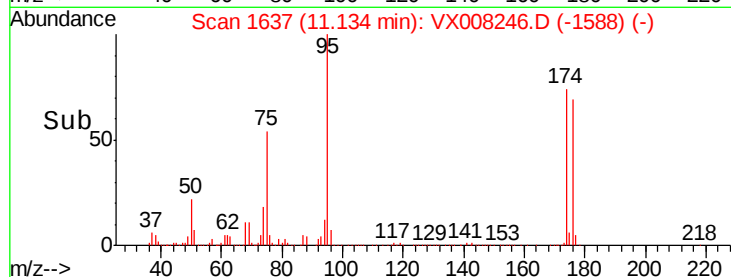
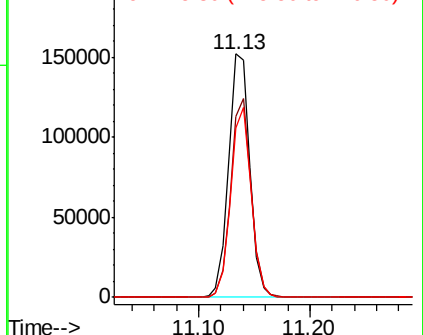
176 75.5 0.0 178.0



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

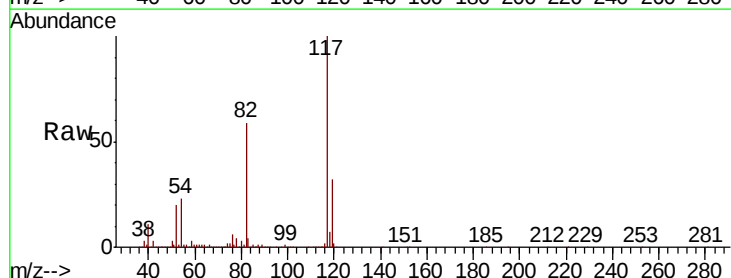
Tgt Ion: 117 Resp: 442044

Ion Ratio Lower Upper

117 100

82 58.7 44.3 66.5

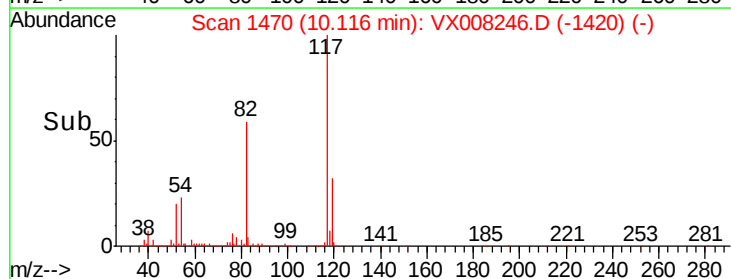
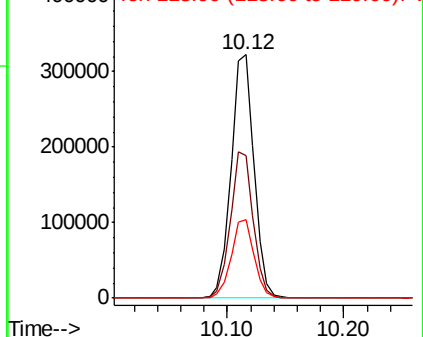
119 32.0 25.3 37.9

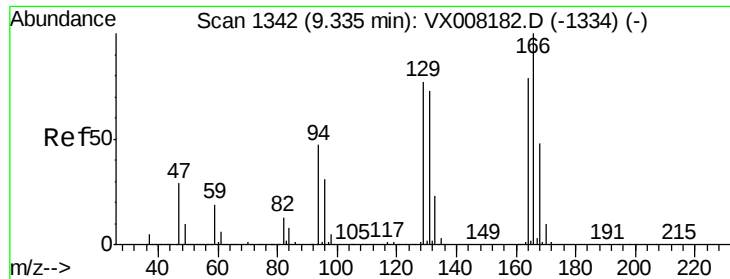


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

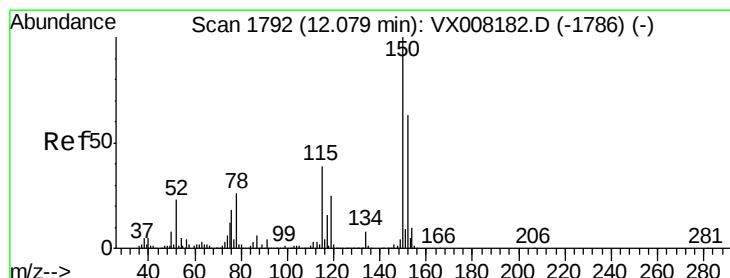
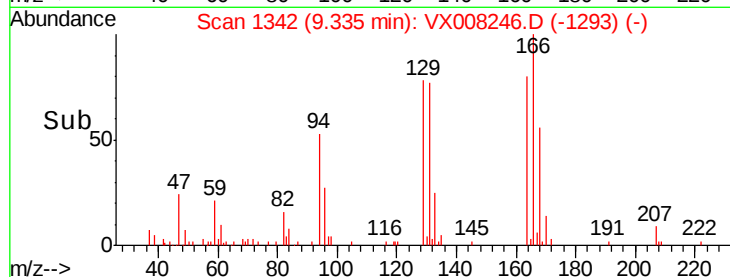
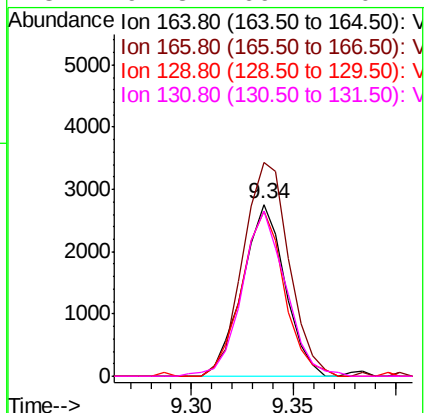
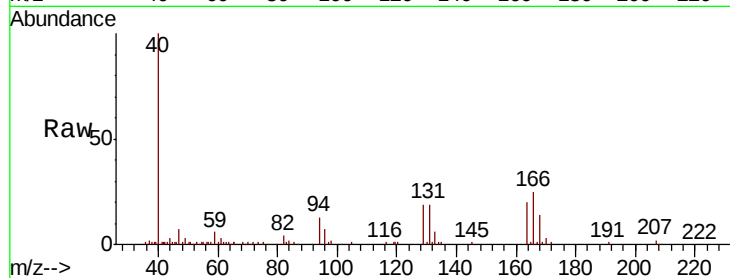




#64
Tetrachloroethene
Concen: 1.003 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302S-20190314

Tot Ion:	164	Resp:	3999
Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.4	155.0
129	96.6	72.2	108.4
131	94.3	69.4	104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

Tgt Ion:	152	Resp:	170124
Ion	Ratio	Lower	Upper
152	100		
115	60.1	38.6	115.7
150	156.0	0.0	348.4

