

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
 Data File : VX010784.D
 Acq On : 10 Jul 2019 17:56
 Operator : JC/SP
 Sample : K3738-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Jul 11 03:08:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

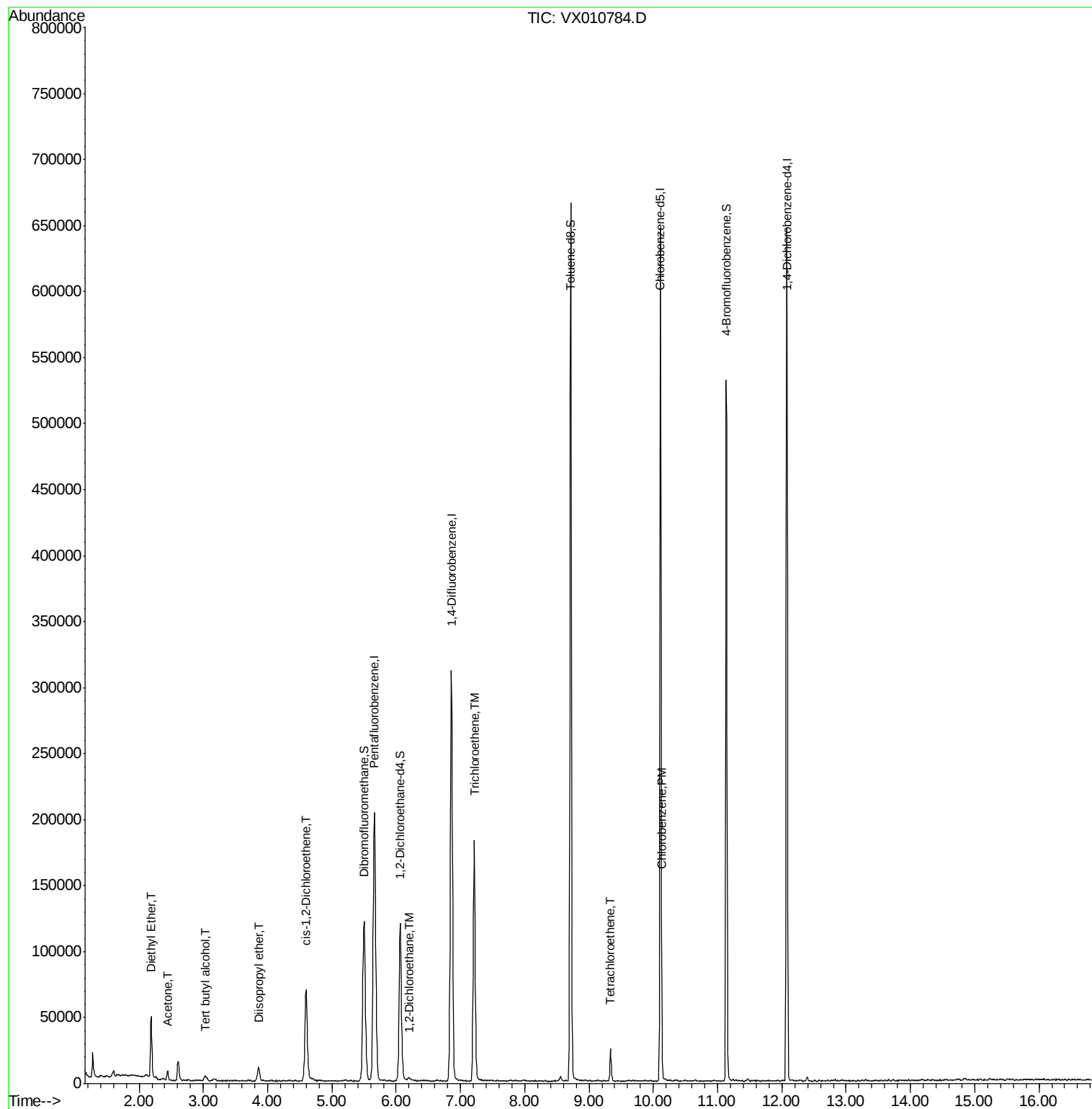
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144311	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	108010	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
35) Dibromofluoromethane	5.50	113	102492	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	8.71	98	398873	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	135125	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
Target Compounds						
8) Diethyl Ether	2.19	74	16420	15.531	ug/l	94
11) Tert butyl alcohol	3.03	59	3537	6.874	ug/l #	90
16) Acetone	2.45	43	7531	7.641	ug/l	98
22) Diisopropyl ether	3.85	45	11032	2.044	ug/l #	77
27) cis-1,2-Dichloroethene	4.60	96	48254	21.357	ug/l	90
42) 1,2-Dichloroethane	6.20	62	2185	0.870	ug/l	80
44) Trichloroethene	7.21	130	72404	29.313	ug/l	98
64) Tetrachloroethene	9.34	164	4859	1.962	ug/l	89
65) Chlorobenzene	10.13	112	2747	0.442	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010784.D

Acq: 10 Jul 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

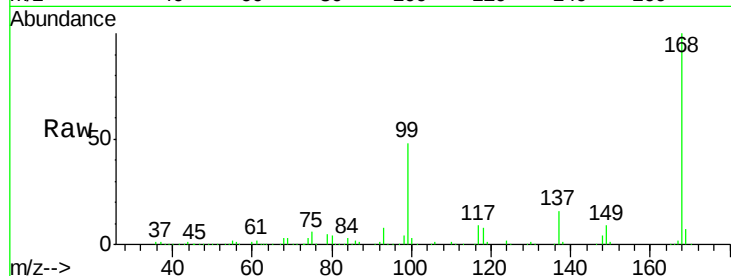
MW-1

Tgt Ion:168 Resp: 209738

Ion Ratio Lower Upper

168 100

99 47.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

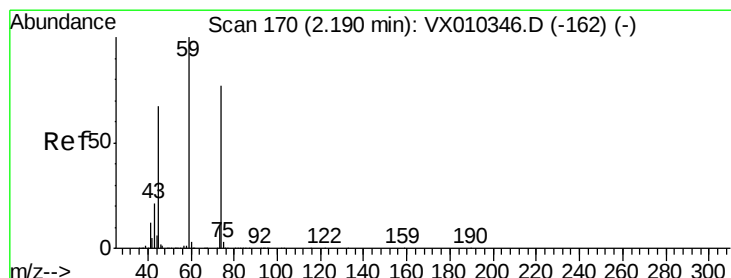
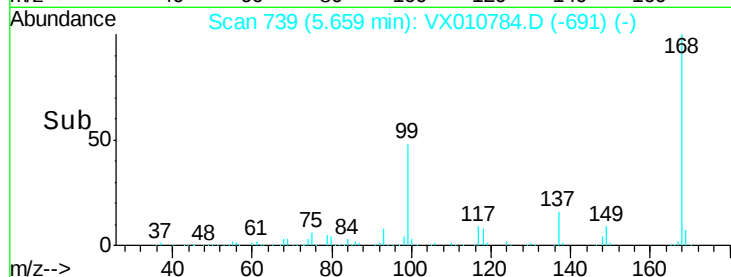
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 15.531 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010784.D

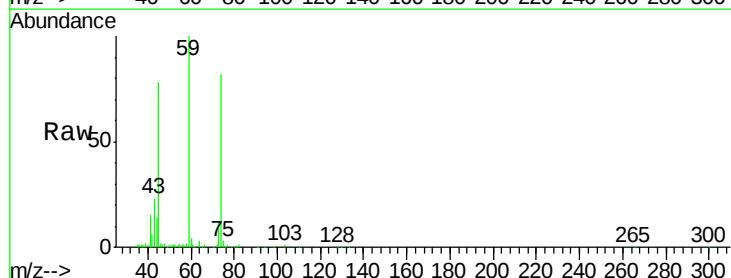
Acq: 10 Jul 2019 17:56

Tgt Ion: 74 Resp: 16420

Ion Ratio Lower Upper

74 100

45 94.9 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

12000

10000

8000

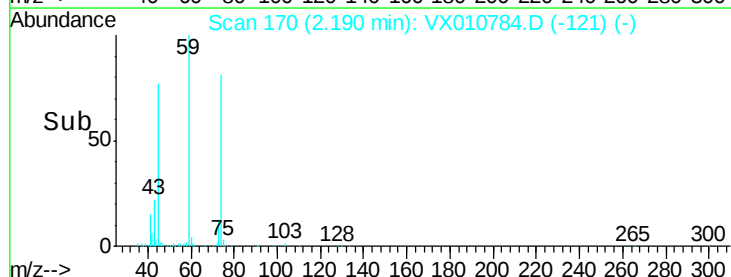
6000

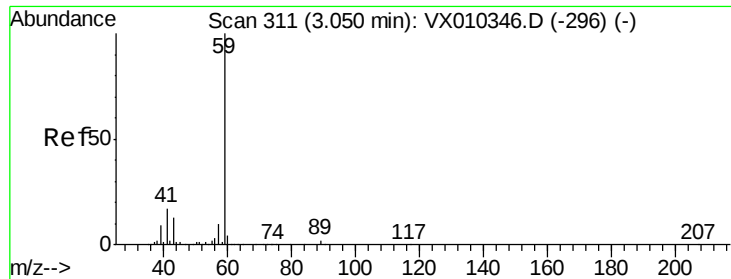
4000

2000

0

Time--> 2.10 2.15 2.20 2.25 2.30

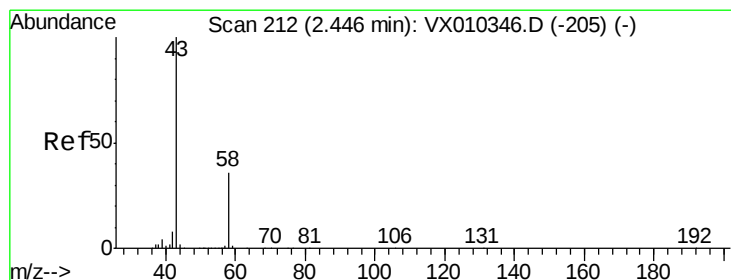
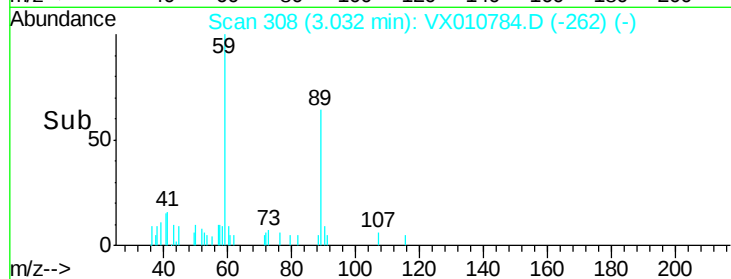
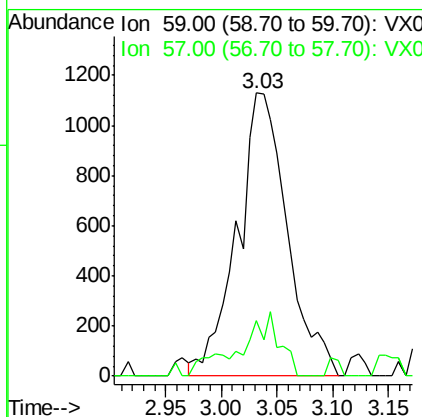
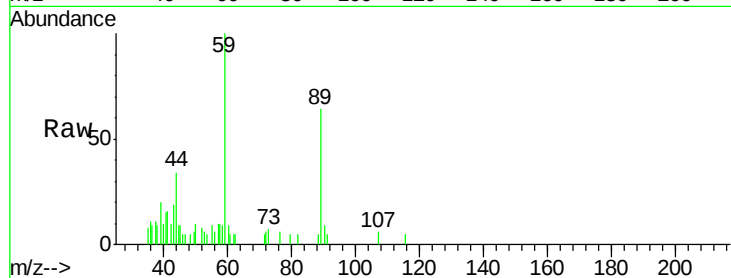




#11
Tert butyl alcohol
Concen: 6.874 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX010784.D
Acq: 10 Jul 2019 17:56

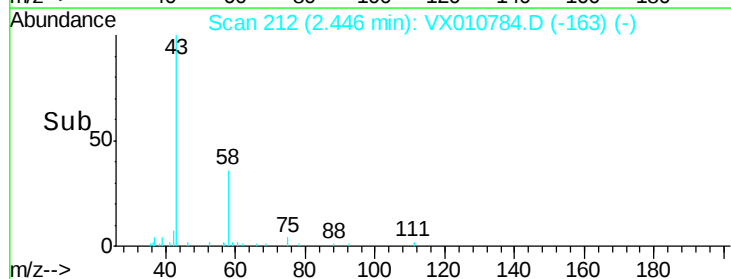
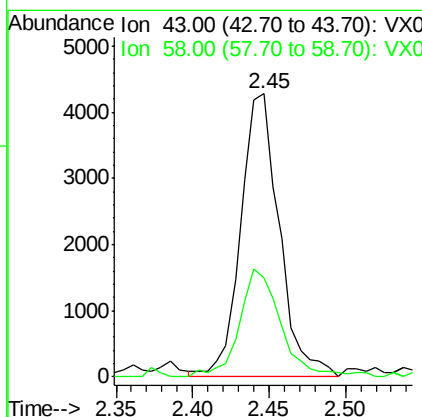
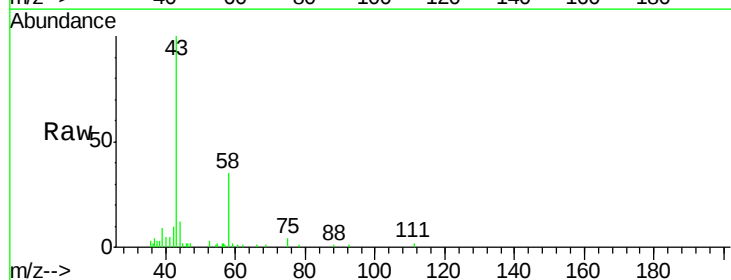
Instrument :
MSVOA_X
ClientSampled :
MW-1

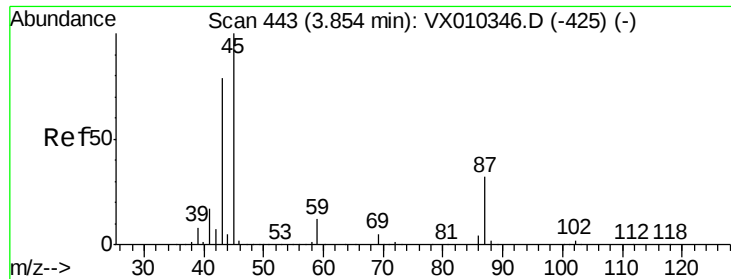
Tgt Ion: 59 Resp: 3537
Ion Ratio Lower Upper
59 100
57 13.3 7.7 11.5#



#16
Acetone
Concen: 7.641 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX010784.D
Acq: 10 Jul 2019 17:56

Tgt Ion: 43 Resp: 7531
Ion Ratio Lower Upper
43 100
58 35.2 28.9 43.3





#22

Diisopropyl ether

Concen: 2.044 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010784.D

Acq: 10 Jul 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tgt Ion: 45 Resp: 11032

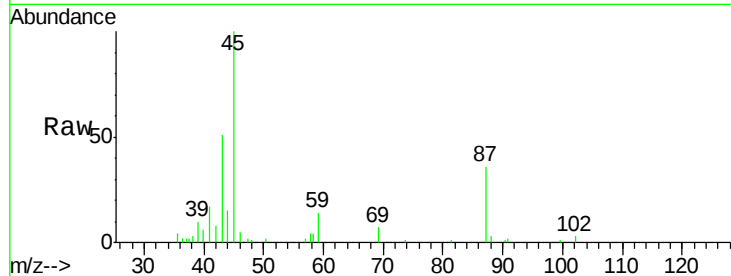
Ion Ratio Lower Upper

45 100

43 50.9 63.3 94.9#

87 36.4 25.8 38.8

59 13.8 9.6 14.4

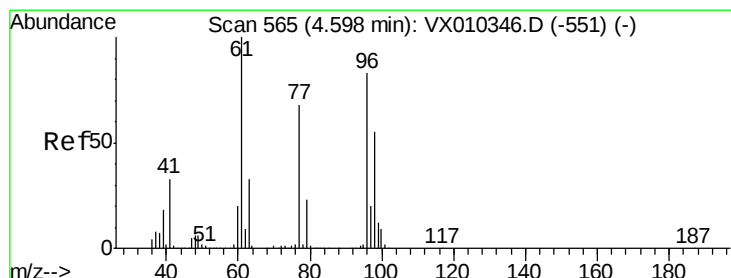
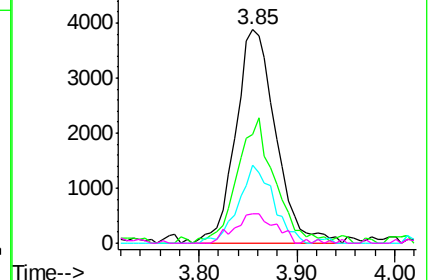
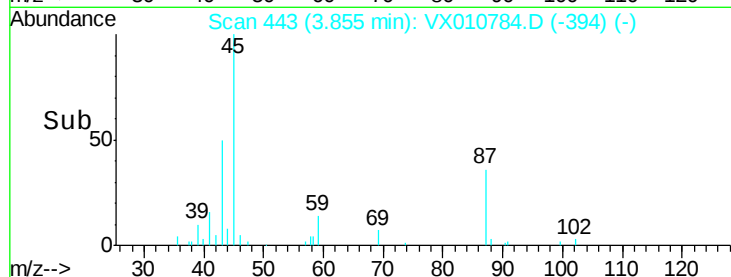


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 21.357 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX010784.D

Acq: 10 Jul 2019 17:56

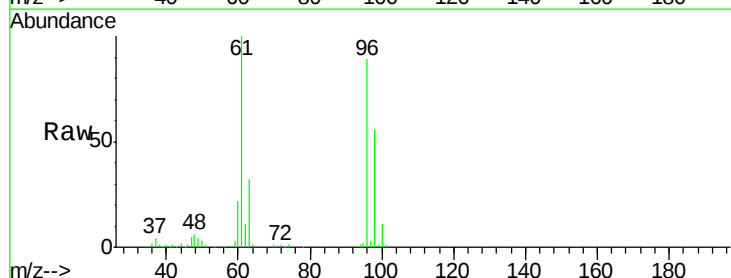
Tgt Ion: 96 Resp: 48254

Ion Ratio Lower Upper

96 100

61 109.7 0.0 251.8

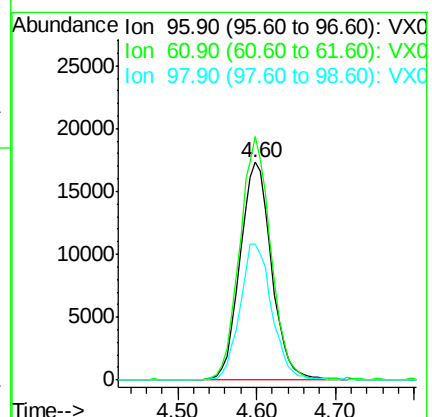
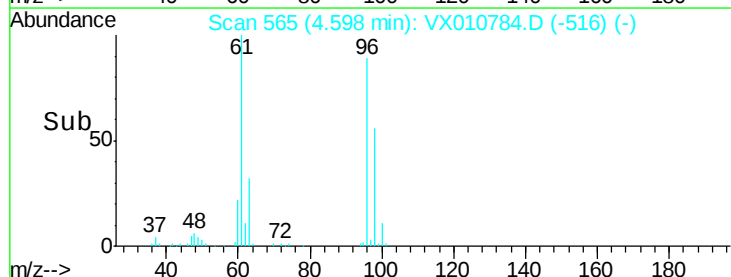
98 63.1 0.0 129.4

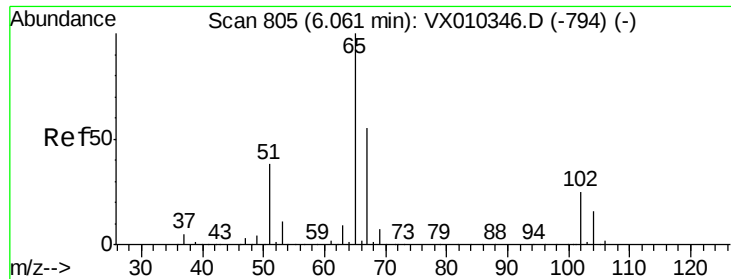


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

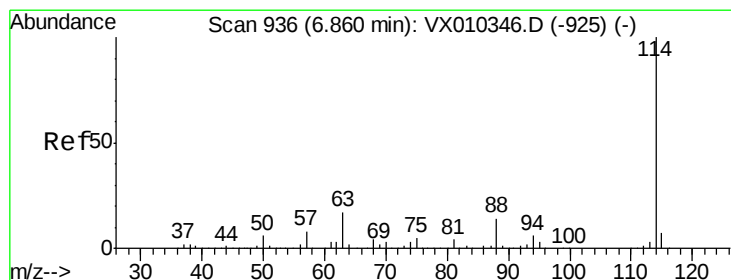
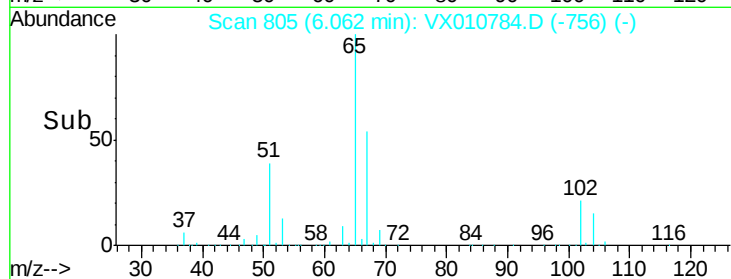
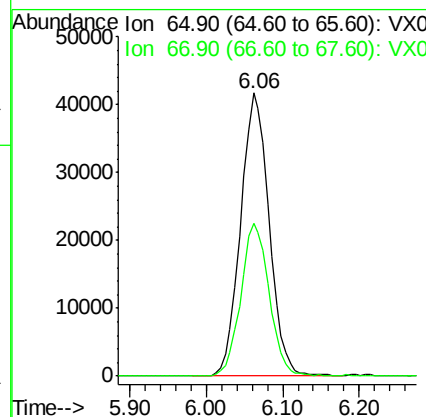
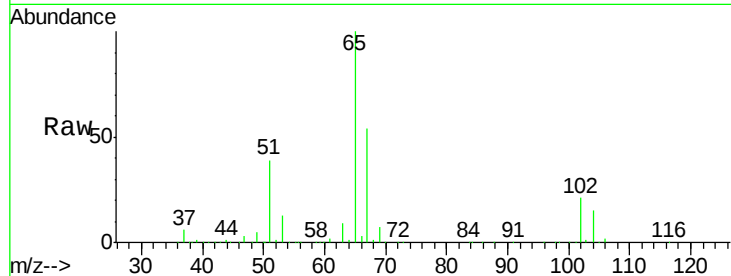




#33
 1,2-Dichloroethane-d4
 Concen: 54.925 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010784.D
 Acq: 10 Jul 2019 17:56

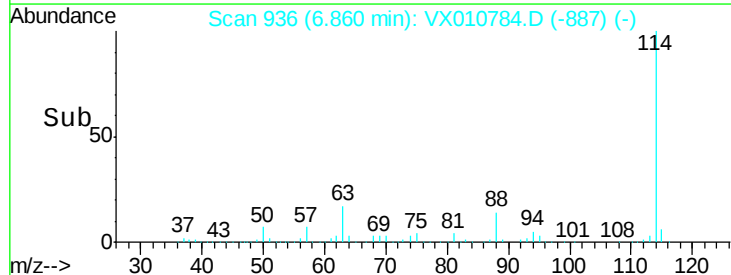
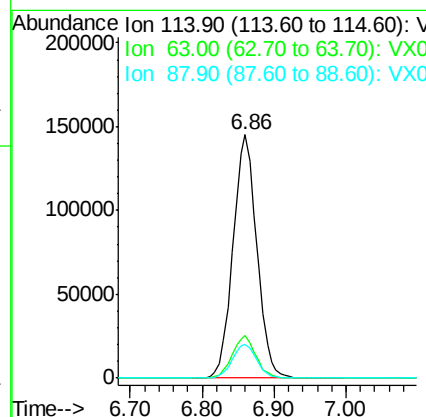
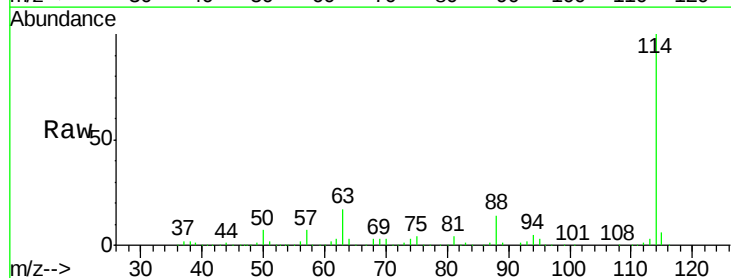
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

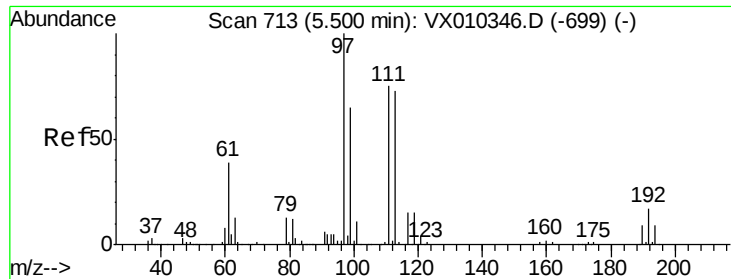
Tgt Ion: 65 Resp: 108010
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010784.D
 Acq: 10 Jul 2019 17:56

Tgt Ion: 114 Resp: 333430
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.1 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.240 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010784.D

Acq: 10 Jul 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

MW-1

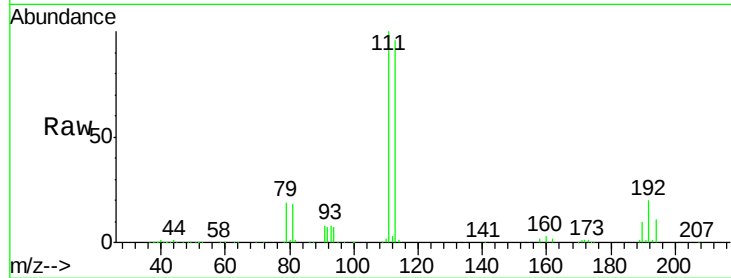
Tgt Ion:113 Resp: 102492

Ion Ratio Lower Upper

113 100

111 101.4 81.2 121.8

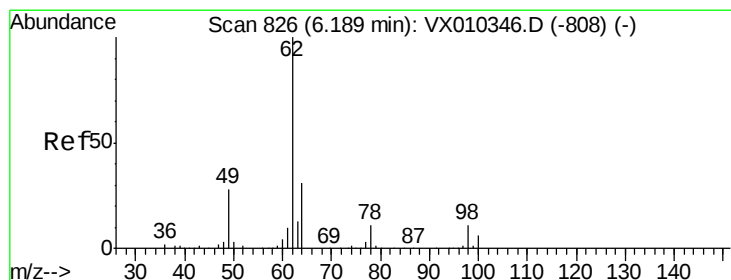
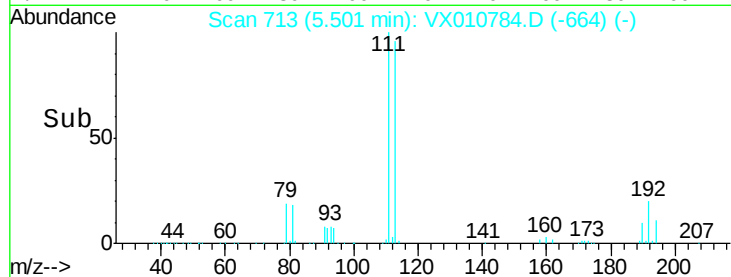
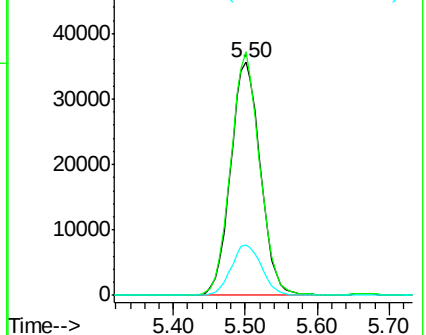
192 22.1 18.6 27.8



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



#42

1,2-Dichloroethane

Concen: 0.870 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010784.D

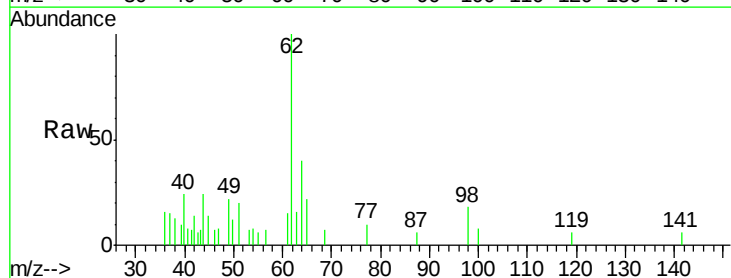
Acq: 10 Jul 2019 17:56

Tgt Ion: 62 Resp: 2185

Ion Ratio Lower Upper

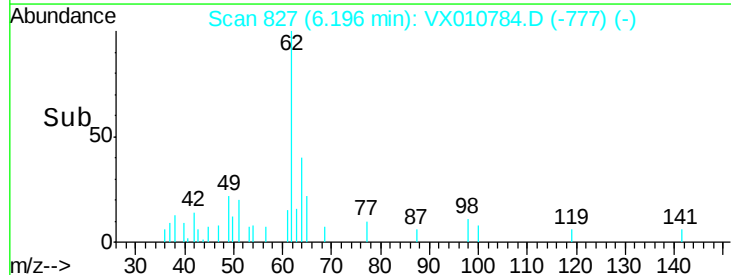
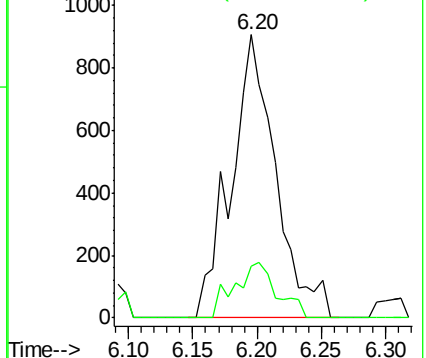
62 100

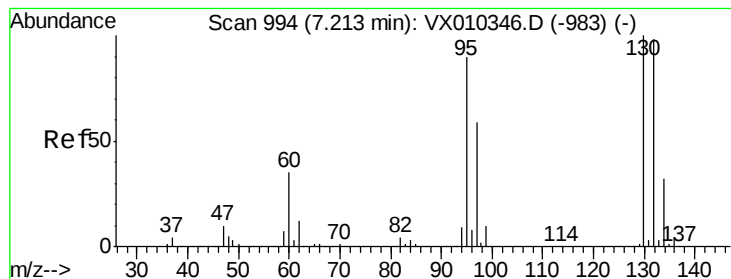
98 18.7 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 29.313 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010784.D

Acq: 10 Jul 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

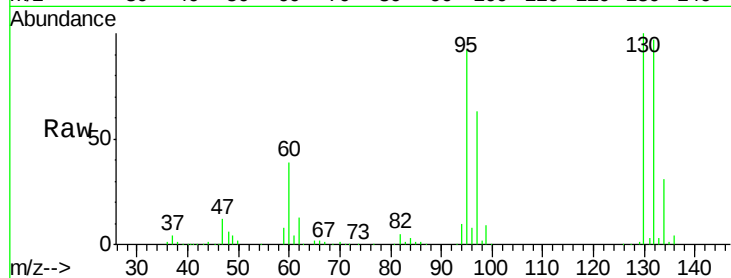
MW-1

Tgt Ion:130 Resp: 72404

Ion Ratio Lower Upper

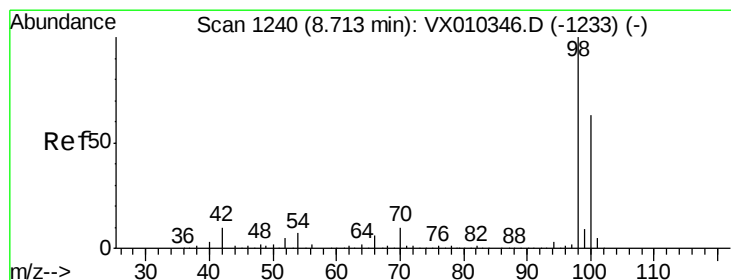
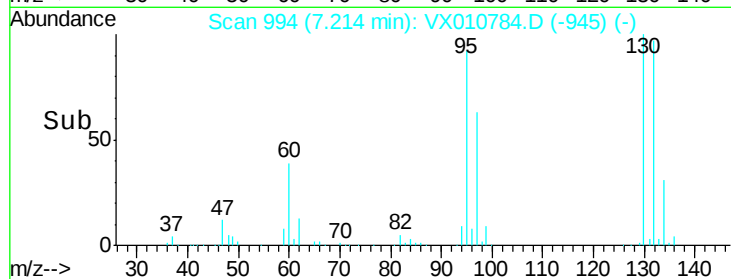
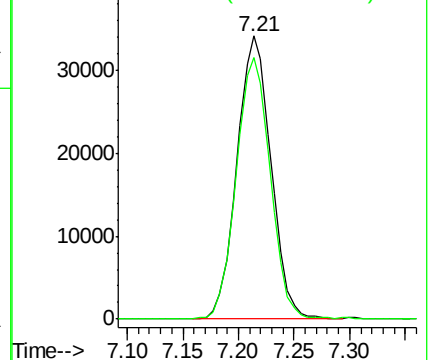
130 100

95 92.1 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.106 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010784.D

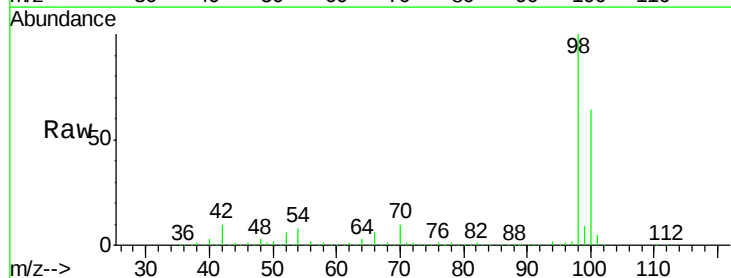
Acq: 10 Jul 2019 17:56

Tgt Ion: 98 Resp: 398873

Ion Ratio Lower Upper

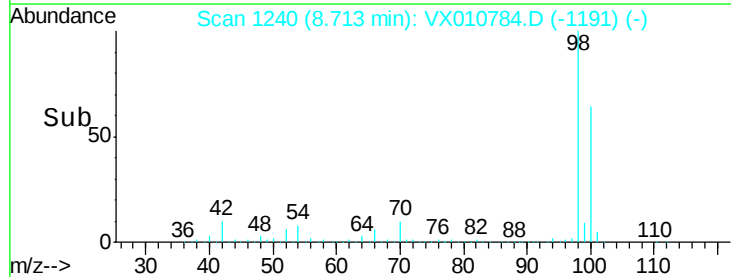
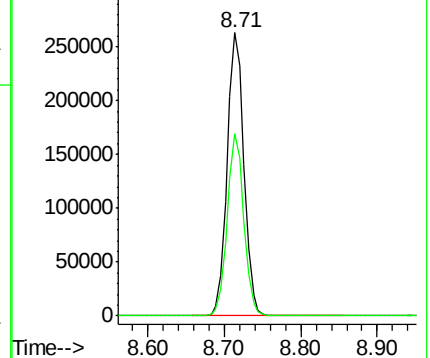
98 100

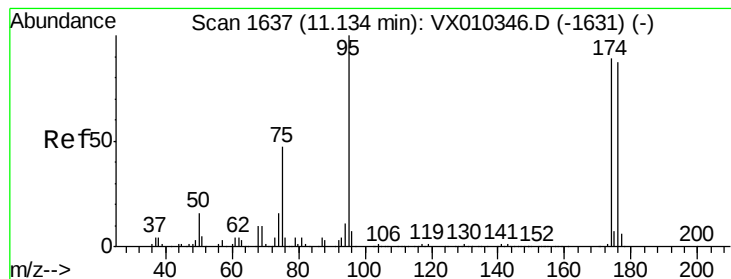
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.955 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010784.D

Acq: 10 Jul 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

MW-1

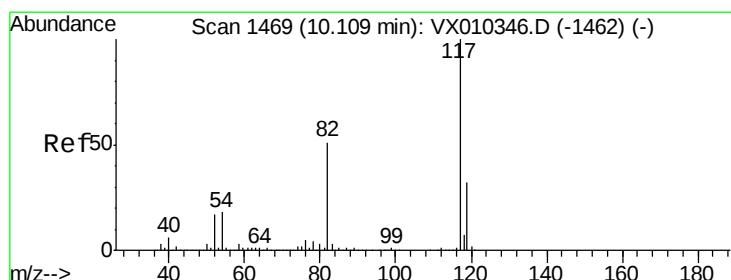
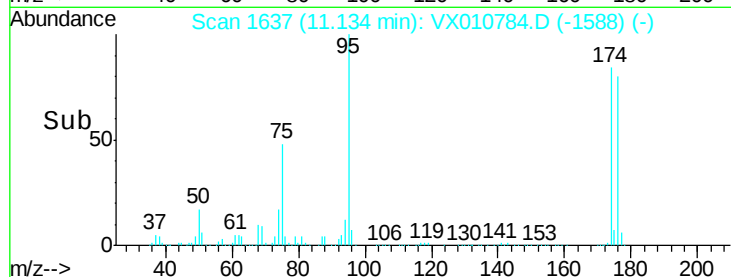
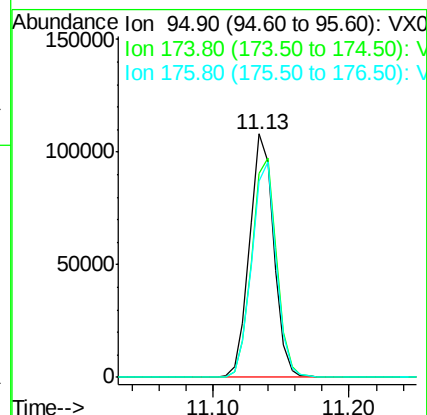
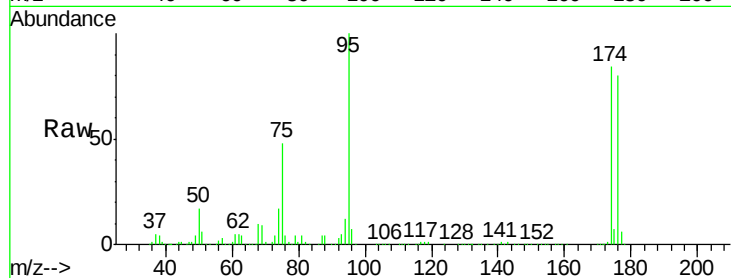
Tgt Ion: 95 Resp: 135125

Ion Ratio Lower Upper

95 100

174 92.8 0.0 187.6

176 89.3 0.0 184.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010784.D

Acq: 10 Jul 2019 17:56

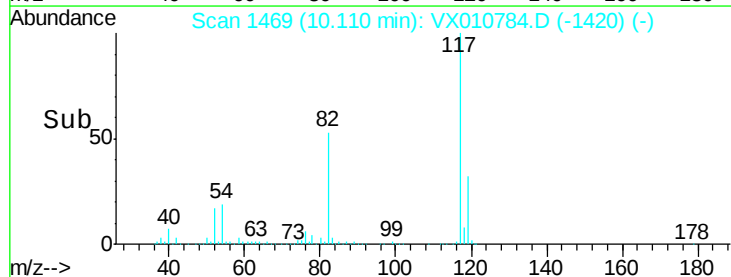
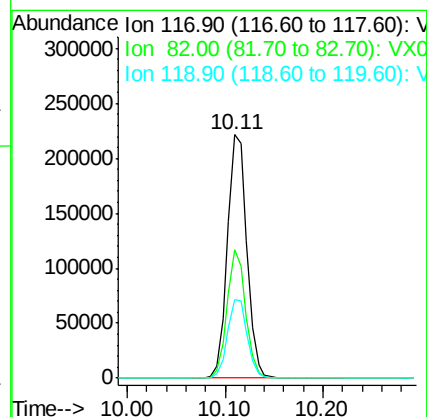
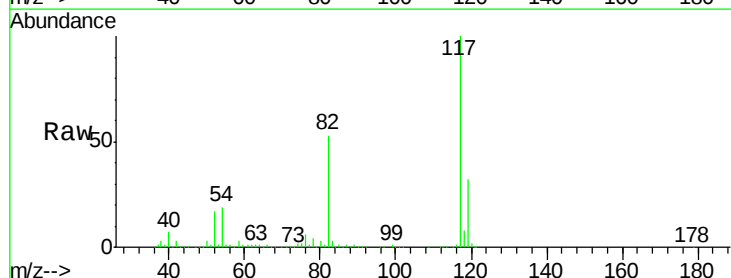
Tgt Ion: 117 Resp: 306169

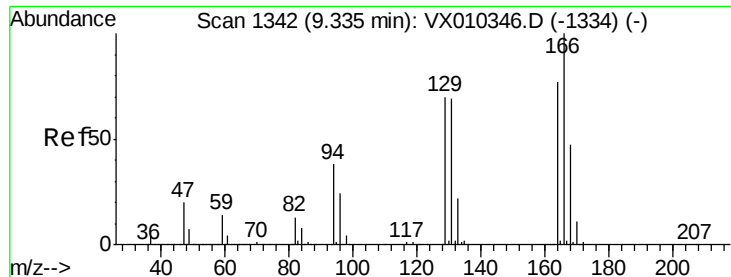
Ion Ratio Lower Upper

117 100

82 52.6 41.2 61.8

119 32.4 25.5 38.3

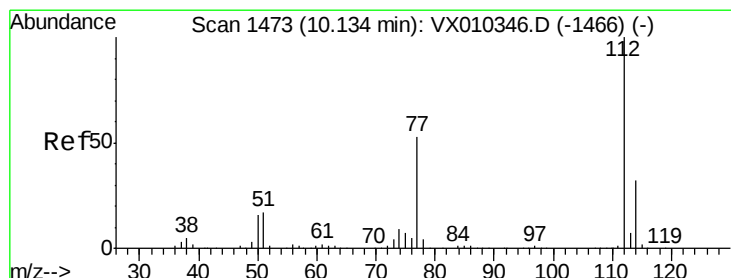
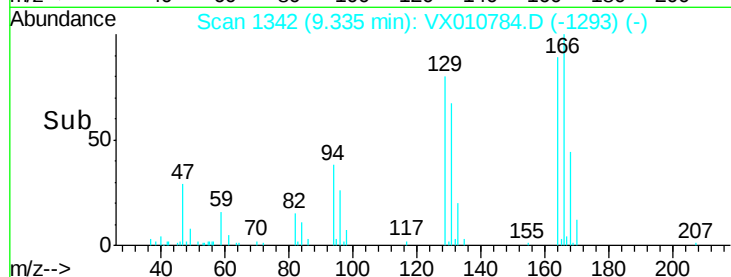
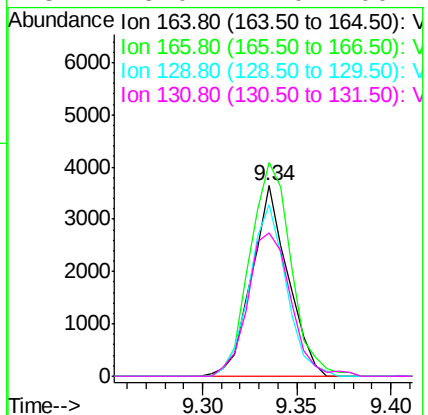
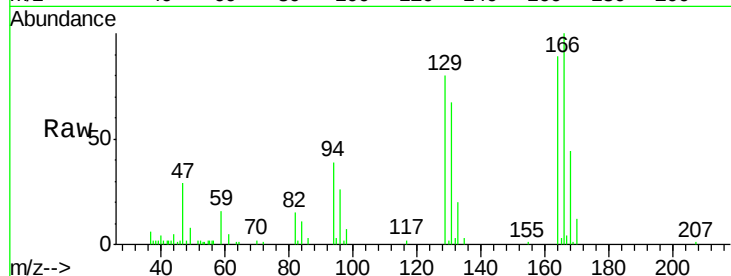




#64
Tetrachloroethene
Concen: 1.962 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010784.D
Acq: 10 Jul 2019 17:56

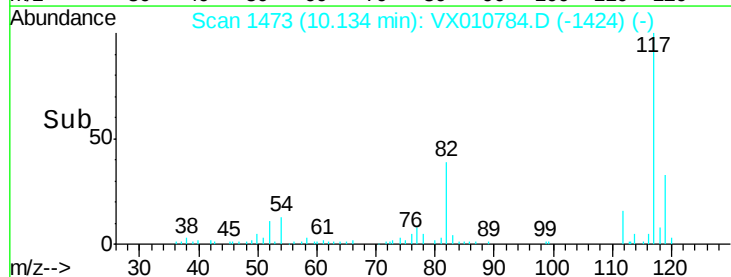
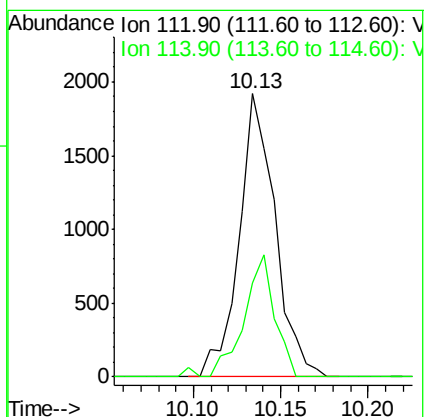
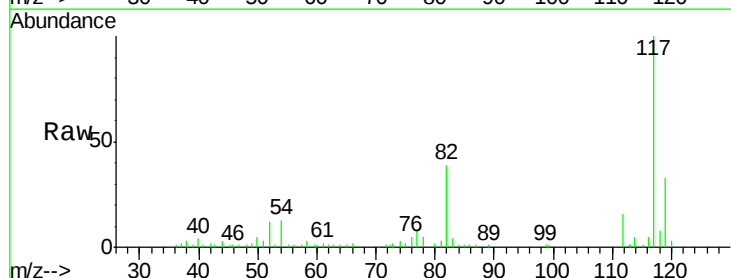
Instrument :
MSVOA_X
ClientSampleId :
MW-1

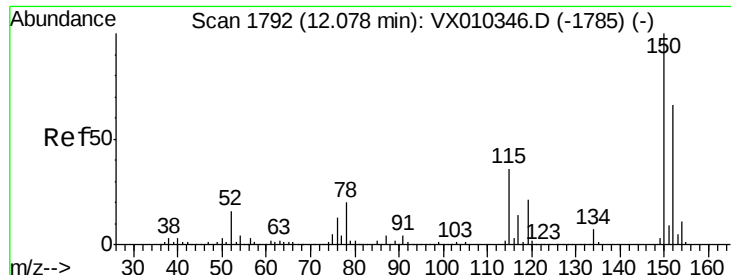
Tgt Ion:164 Resp: 4859
Ion Ratio Lower Upper
164 100
166 112.2 103.6 155.4
129 90.1 73.0 109.4
131 75.0 71.0 106.4



#65
Chlorobenzene
Concen: 0.442 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010784.D
Acq: 10 Jul 2019 17:56

Tgt Ion:112 Resp: 2747
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX010784.D
 Acq: 10 Jul 2019 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	38.6	115.7
150	156.0	0.0	347.4

