

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008638.D
 Acq On : 04 Apr 2019 16:07
 Operator : JC/SP
 Sample : K2263-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Apr 05 07:06:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113282	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	148335	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	5.50	113	109010	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	440913	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	140348	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	

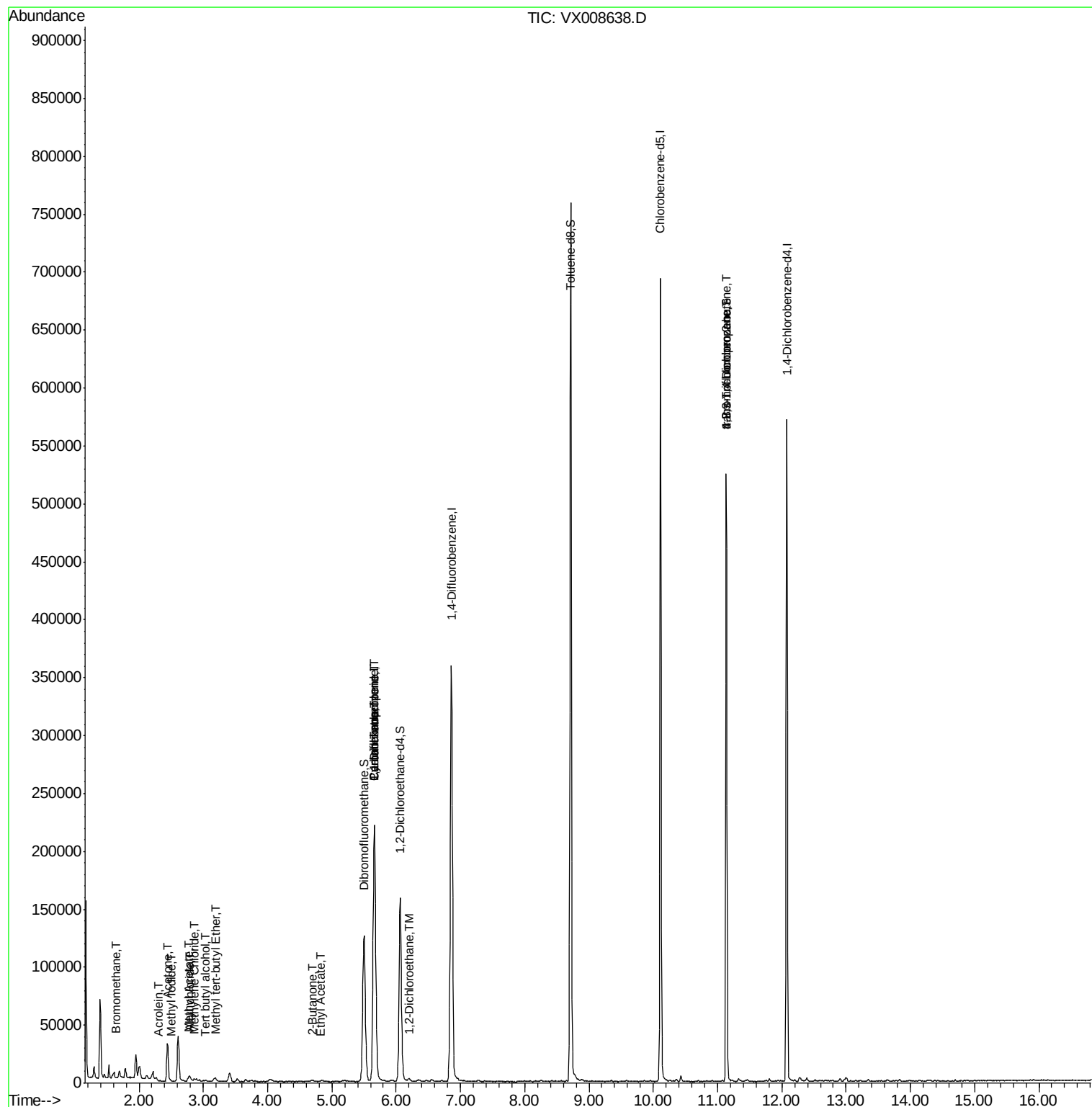
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	550	Below Cal	#	81
5) Bromomethane	1.64	94	301	2.064	ug/l #	72
6) Chloroethane	1.75	64	3204	Below Cal	#	67
10) Methyl Iodide	2.51	142	174	4.078	ug/l #	80
11) Tert butyl alcohol	3.04	59	1474	2.043	ug/l #	91
13) Acrolein	2.29	56	93	0.260	ug/l #	13
14) Allyl chloride	2.78	41	1834	0.328	ug/l #	79
16) Acetone	2.44	43	36864	20.768	ug/l	96
17) Carbon Disulfide	2.57	76	1113	Below Cal	#	88
18) Methyl Acetate	2.77	43	1513	0.351	ug/l #	70
19) Methyl tert-butyl Ether	3.20	73	2039	0.234	ug/l	95
20) Methylene Chloride	2.85	84	789	0.266	ug/l	85
25) 2-Butanone	4.69	43	1954	0.696	ug/l #	75
28) Bromochloromethane	5.01	49	66	Below Cal	#	22
31) Cyclohexane	5.66	56	6131	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17381	4.486	ug/l #	50
37) Ethyl Acetate	4.84	43	2635	0.510	ug/l #	86
38) Carbon Tetrachloride	5.67	117	20348	6.345	ug/l #	18
42) 1,2-Dichloroethane	6.20	62	1873	0.453	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	71620	23.014	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71620	63.440	ug/l #	9

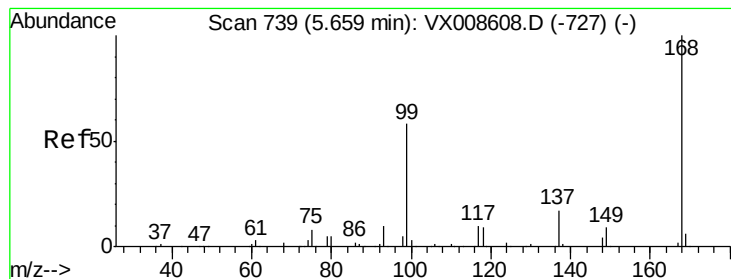
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008638.D
Acq On : 04 Apr 2019 16:07
Operator : JC/SP
Sample : K2263-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Quant Time: Apr 05 07:06:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

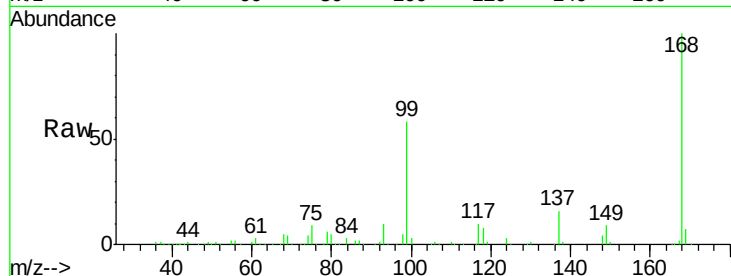
MW-6

Tgt Ion:168 Resp: 211291

Ion Ratio Lower Upper

168 100

99 58.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

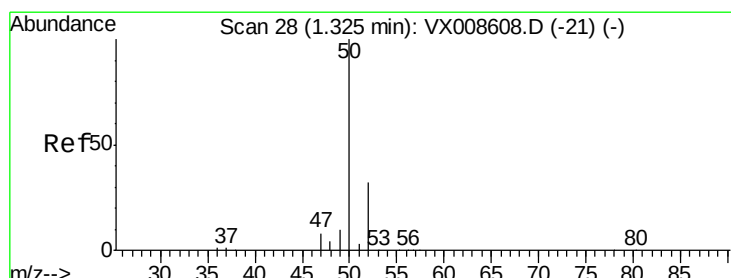
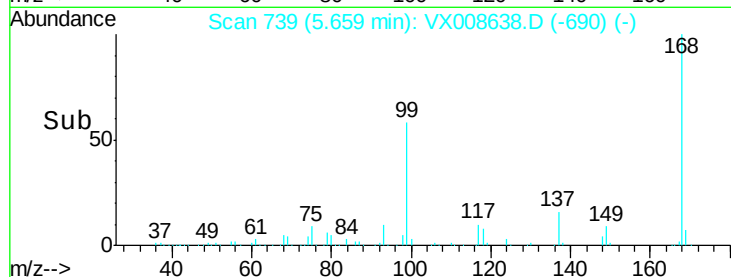
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008638.D

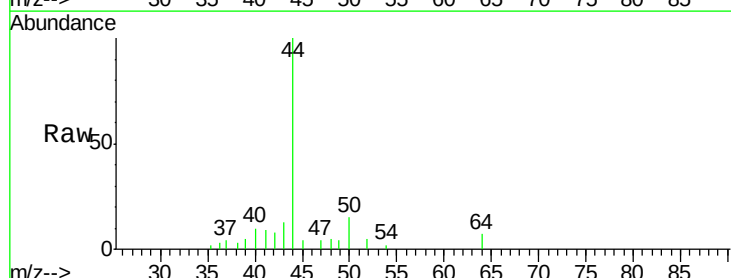
Acq: 04 Apr 2019 16:07

Tgt Ion: 50 Resp: 550

Ion Ratio Lower Upper

50 100

52 21.8 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

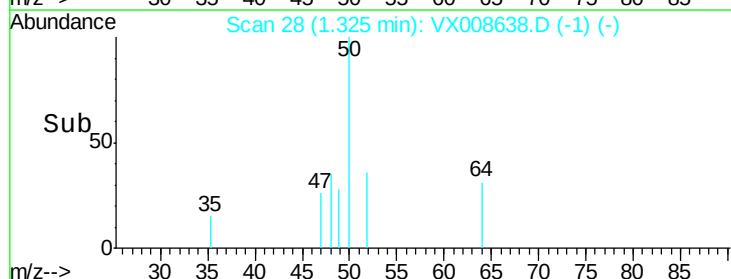
1500

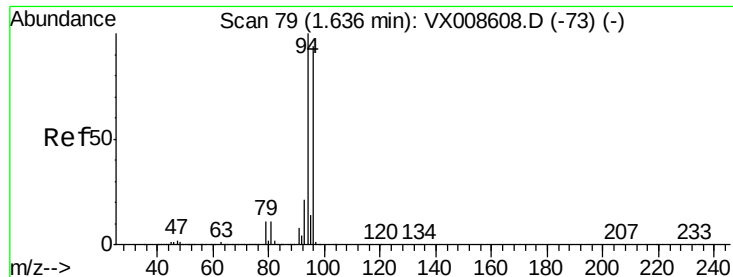
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.064 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

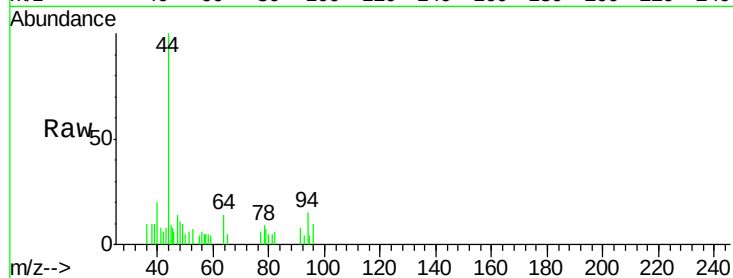
MW-6

Tgt Ion: 94 Resp: 301

Ion Ratio Lower Upper

94 100

96 67.4 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

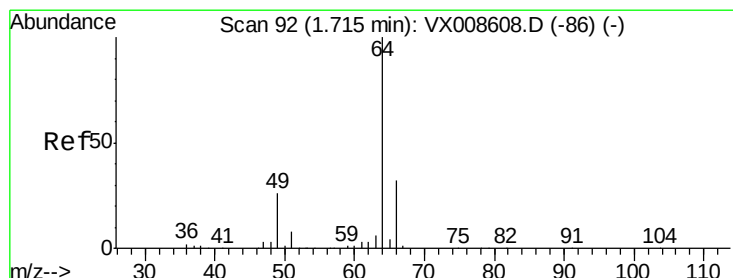
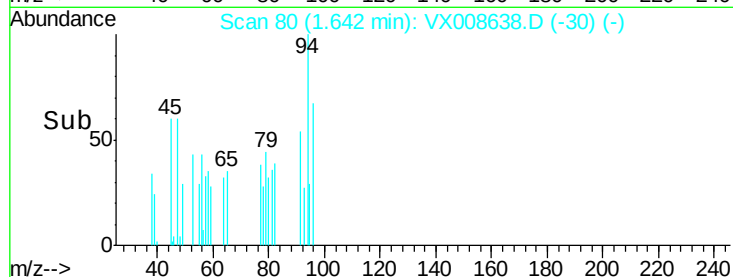
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX008638.D

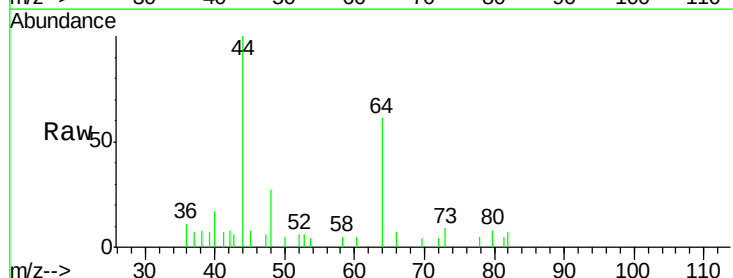
Acq: 04 Apr 2019 16:07

Tgt Ion: 64 Resp: 3204

Ion Ratio Lower Upper

64 100

66 13.3 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

800

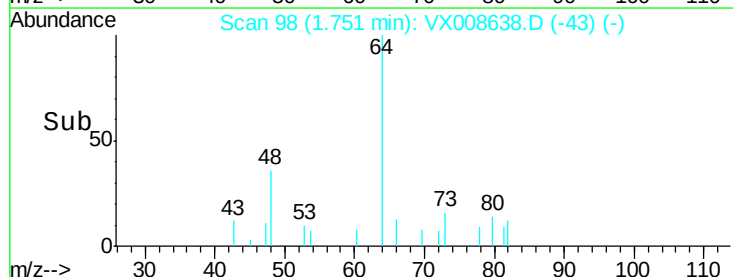
600

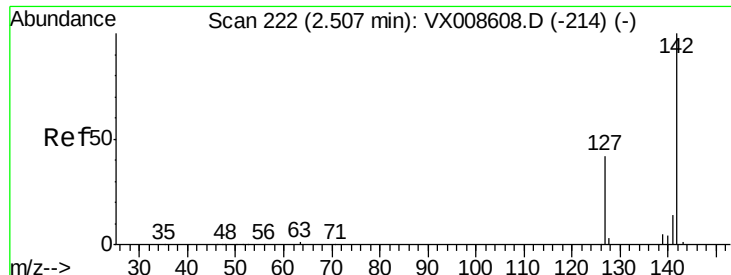
400

200

0

Time-->

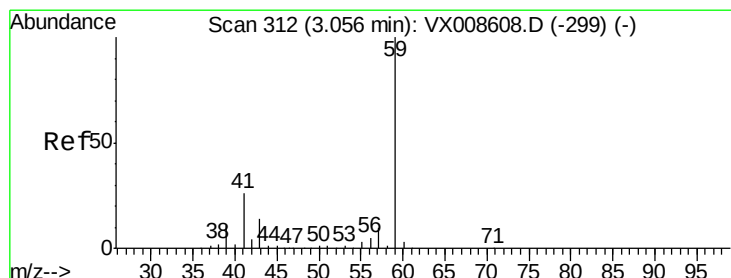
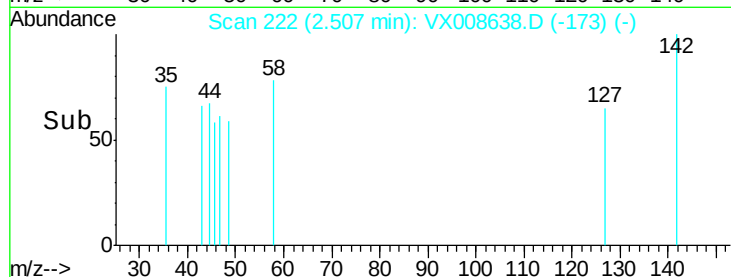
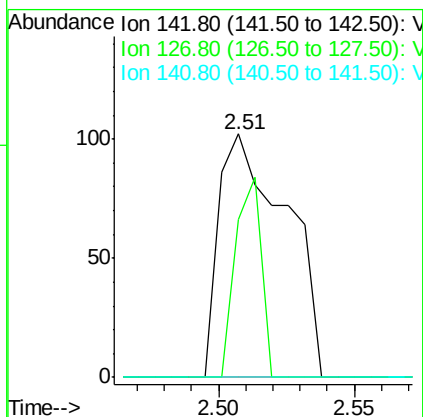
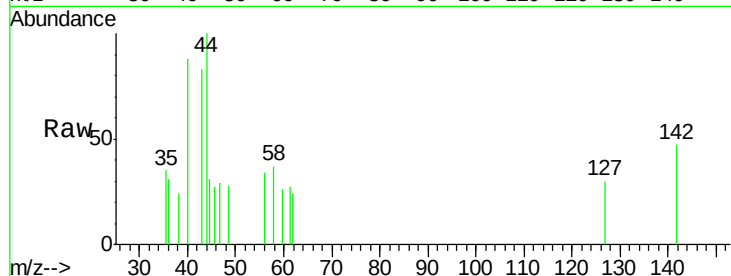




#10
Methyl Iodide
Concen: 4.078 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008638.D
Acq: 04 Apr 2019 16:07

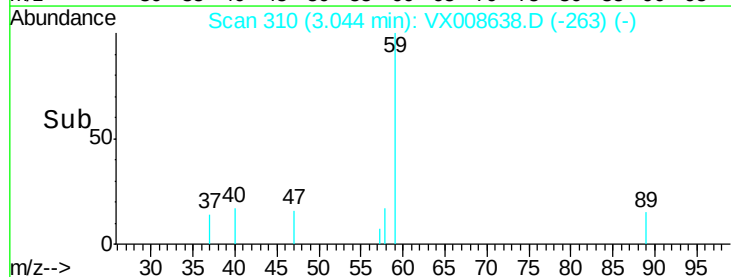
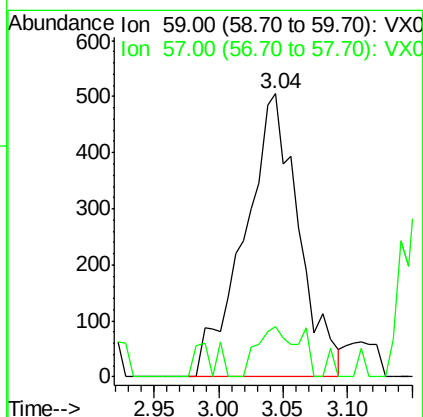
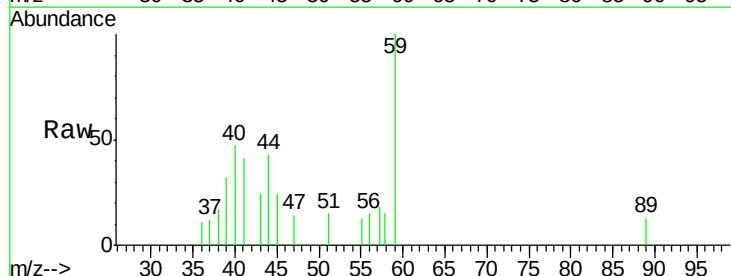
Instrument :
MSVOA_X
ClientSampled :
MW-6

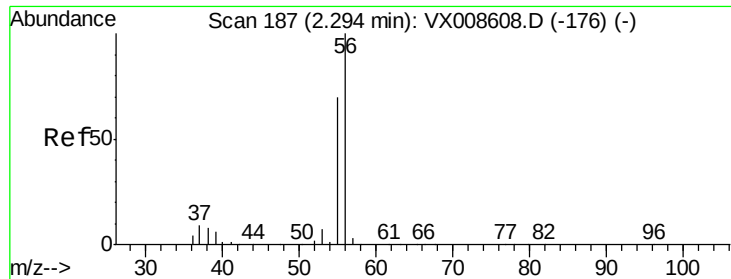
Tgt Ion: 142 Resp: 174
Ion Ratio Lower Upper
142 100
127 31.6 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.043 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008638.D
Acq: 04 Apr 2019 16:07

Tgt Ion: 59 Resp: 1474
Ion Ratio Lower Upper
59 100
57 13.8 8.3 12.5#





#13

Acrolein

Concen: 0.260 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

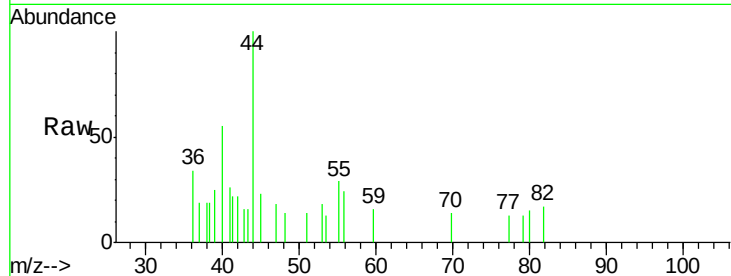
MW-6

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

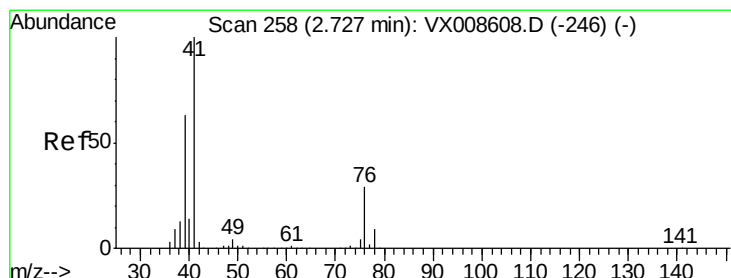
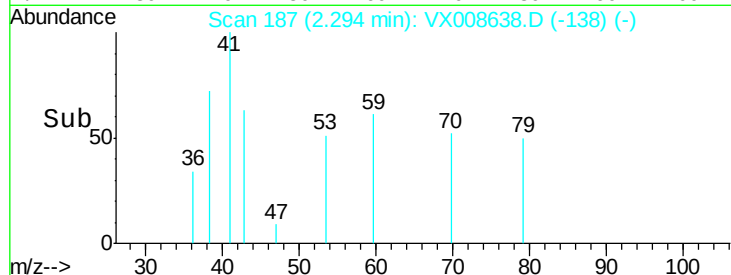
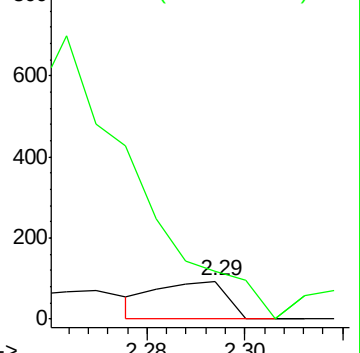
56 100

55 0.0 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.328 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

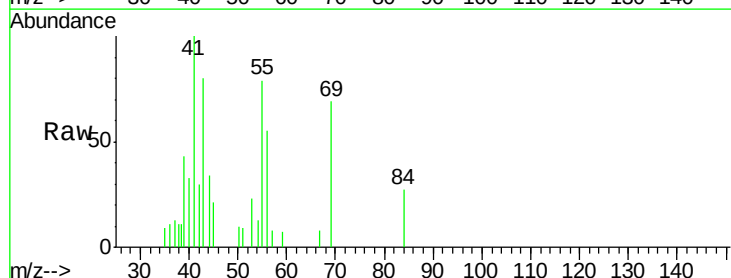
Tgt Ion: 41 Resp: 1834

Ion Ratio Lower Upper

41 100

39 55.1 48.0 72.0

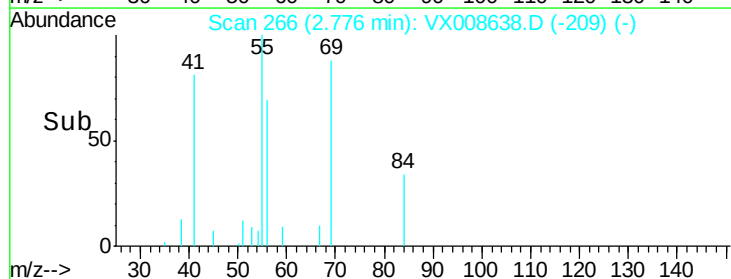
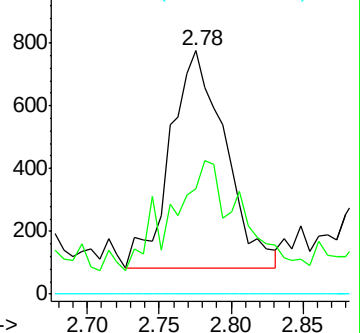
76 0.0 22.0 33.0#

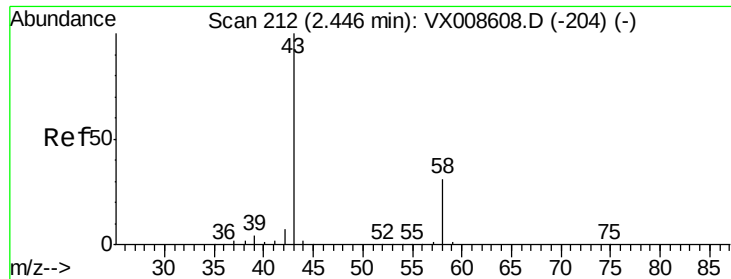


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 20.768 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

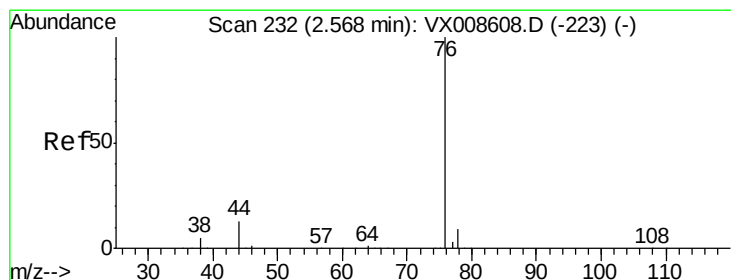
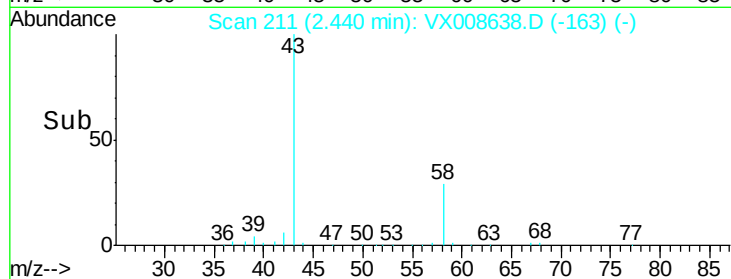
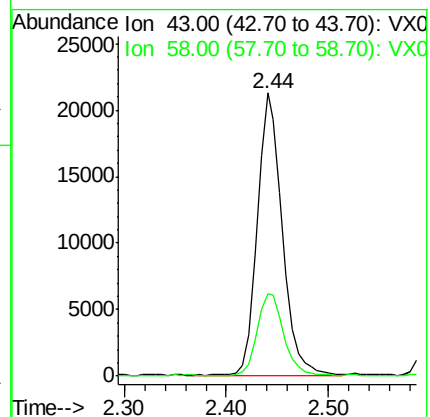
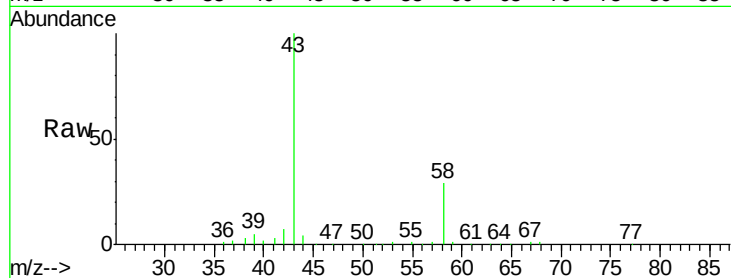
MW-6

Tgt Ion: 43 Resp: 36864

Ion Ratio Lower Upper

43 100

58 28.8 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008638.D

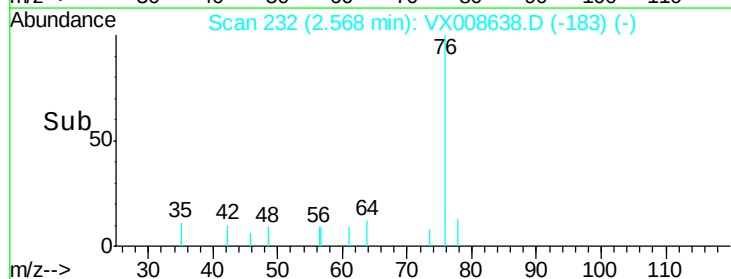
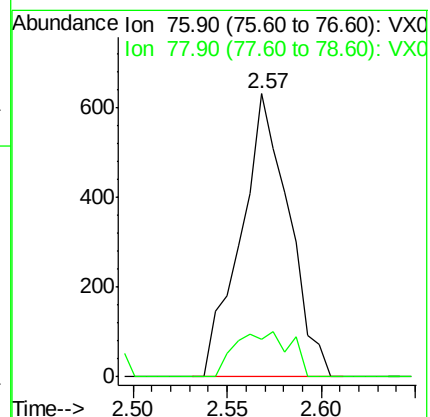
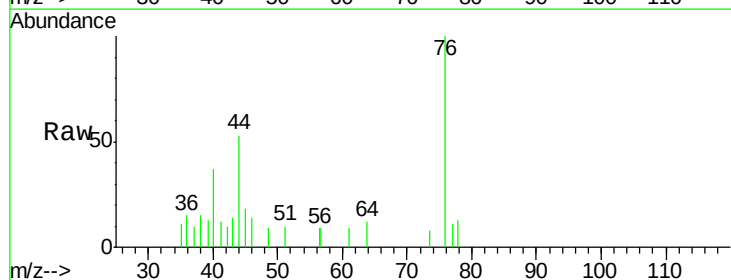
Acq: 04 Apr 2019 16:07

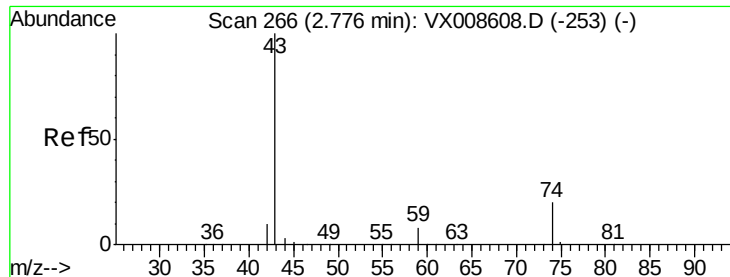
Tgt Ion: 76 Resp: 1113

Ion Ratio Lower Upper

76 100

78 13.3 7.1 10.7#

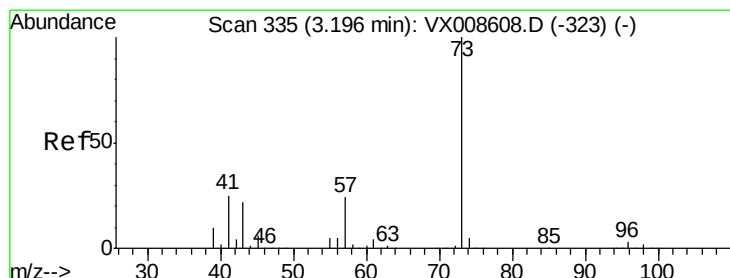
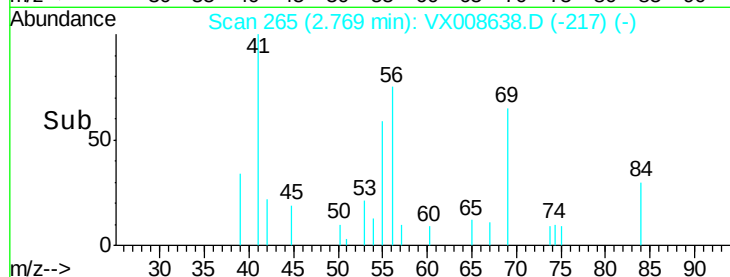
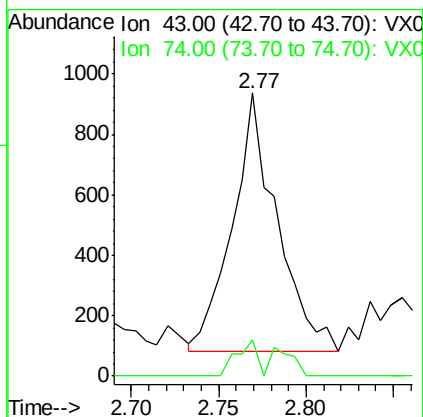
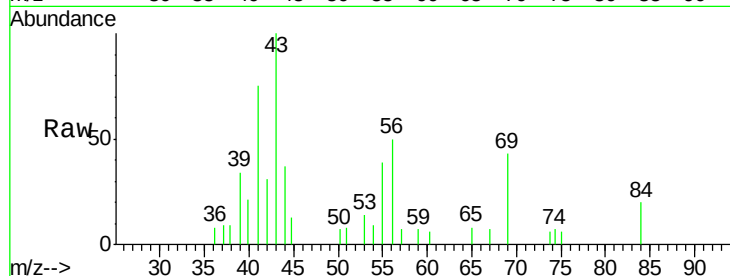




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008638.D
Acq: 04 Apr 2019 16:07

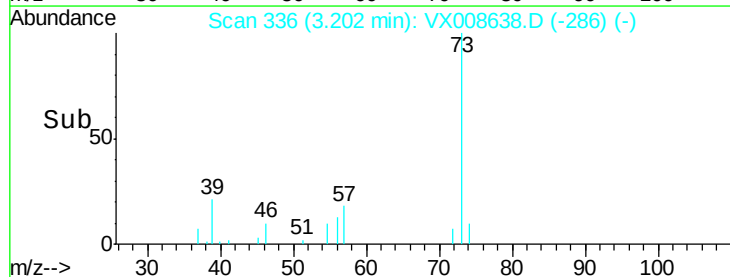
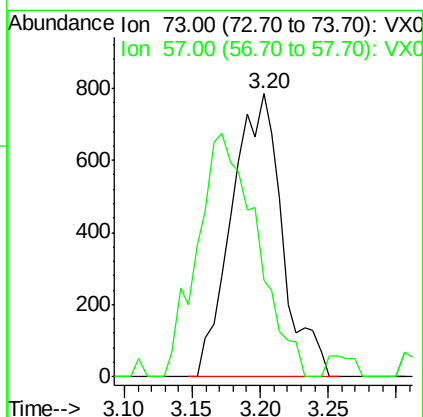
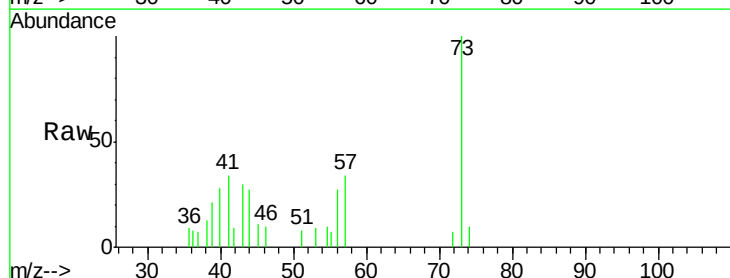
Instrument :
MSVOA_X
ClientSampled :
MW-6

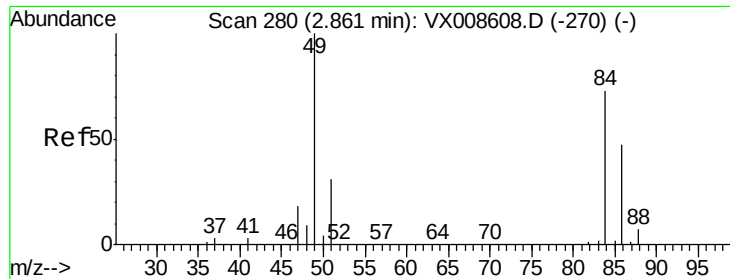
Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
74 6.5 16.5 24.7#



#19
Methyl tert-butyl Ether
Concen: 0.234 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.01 min
Lab File: VX008638.D
Acq: 04 Apr 2019 16:07

Tgt Ion: 73 Resp: 2039
Ion Ratio Lower Upper
73 100
57 26.9 19.5 29.3

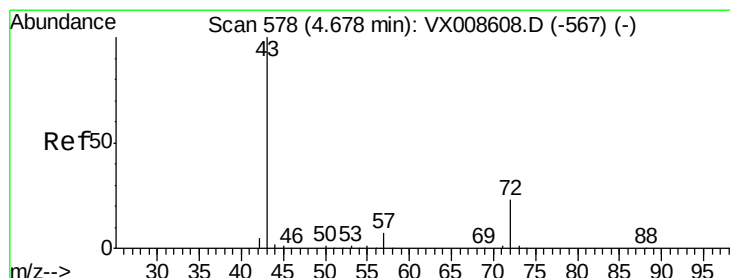
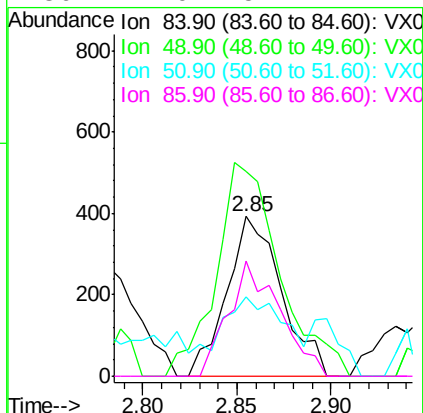
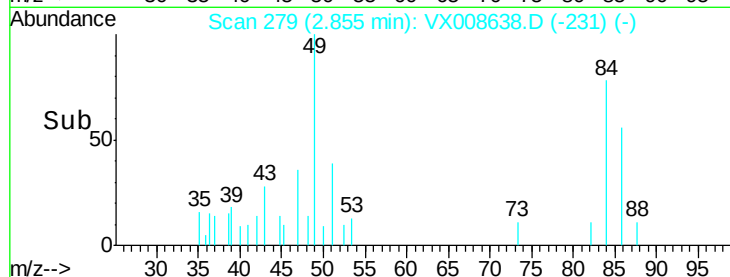
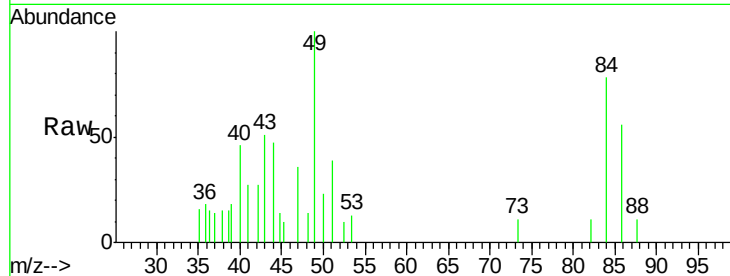




#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008638.D
Acq: 04 Apr 2019 16:07

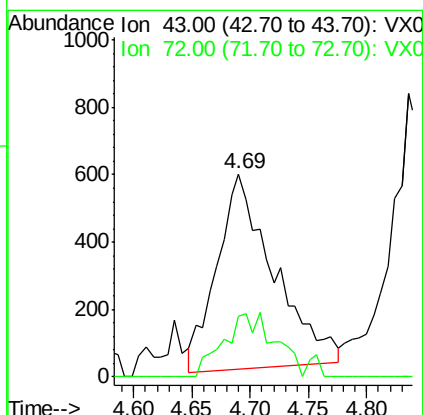
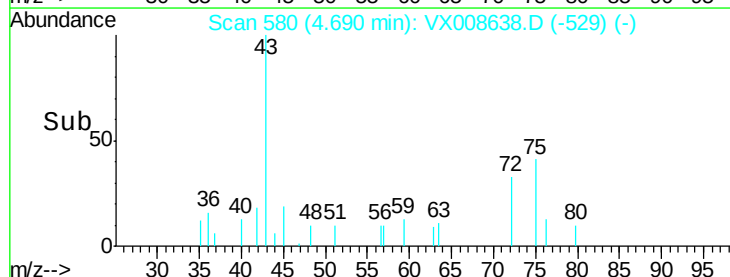
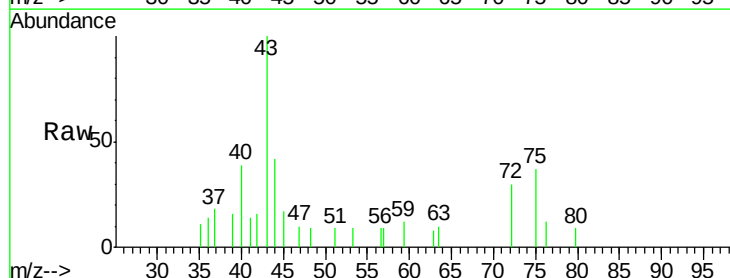
Instrument :
MSVOA_X
ClientSampled :
MW-6

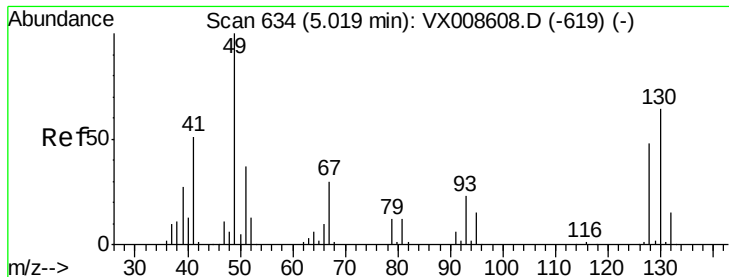
Tgt Ion: 84 Resp: 789
Ion Ratio Lower Upper
84 100
49 114.0 109.7 164.5
51 34.9 33.6 50.4
86 72.0 51.4 77.2



#25
2-Butanone
Concen: 0.696 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.01 min
Lab File: VX008638.D
Acq: 04 Apr 2019 16:07

Tgt Ion: 43 Resp: 1954
Ion Ratio Lower Upper
43 100
72 34.9 18.2 27.4#



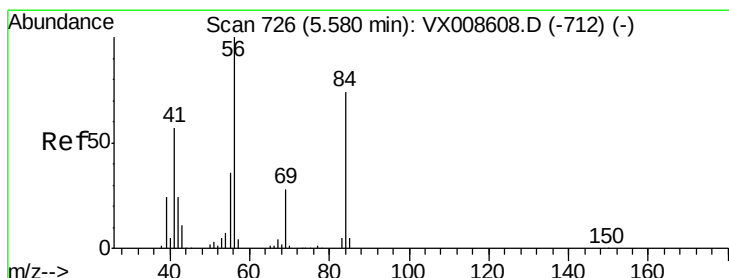
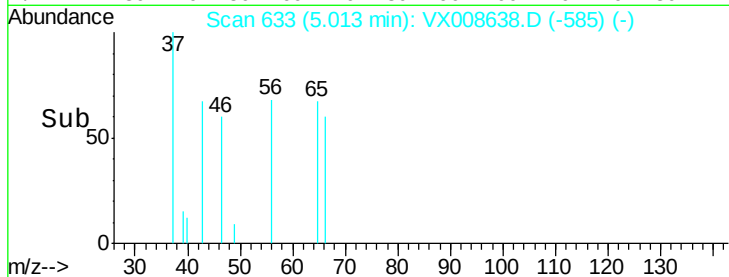
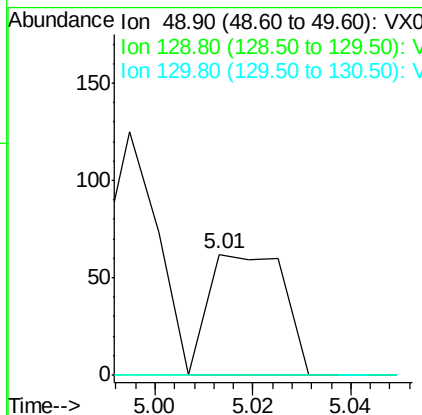
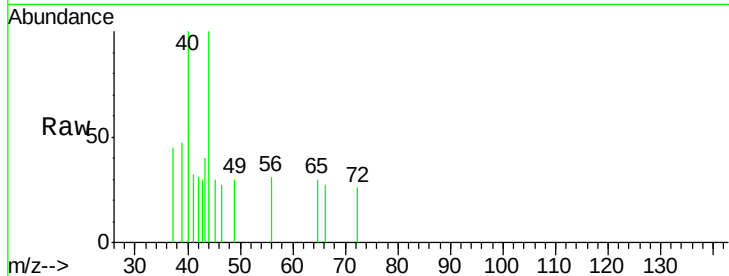


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

Instrument :
 MSVOA_X
 ClientSampled :
 MW-6

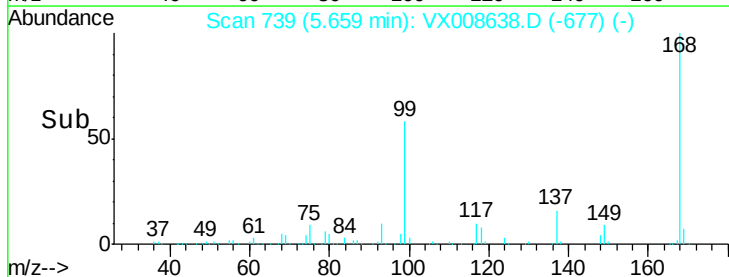
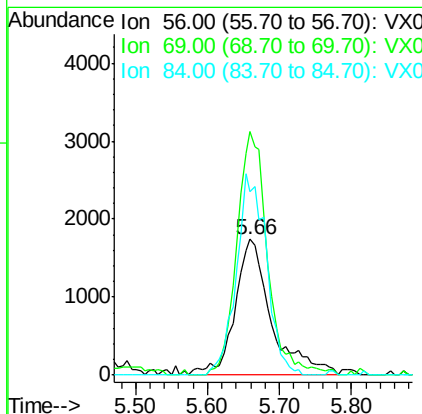
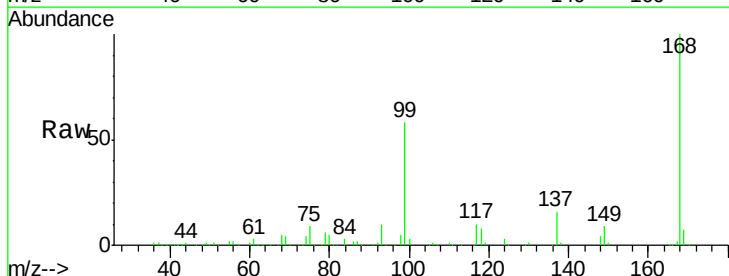
Tgt Ion: 49 Resp: 66
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#

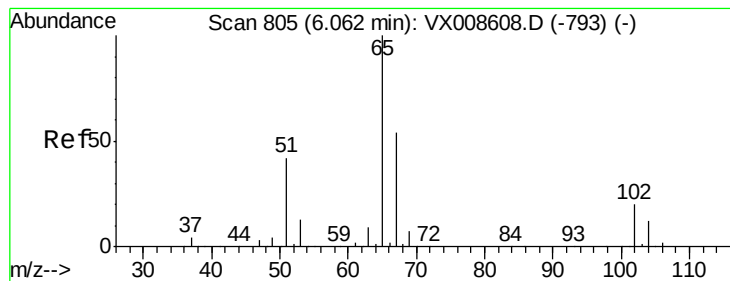


#31

Cyclohexane
 Concen: 1.151 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.08 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

Tgt Ion: 56 Resp: 6131
 Ion Ratio Lower Upper
 56 100
 69 179.4 22.6 33.8#
 84 135.2 59.3 88.9#





#33

1,2-Dichloroethane-d4

Concen: 48.133 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

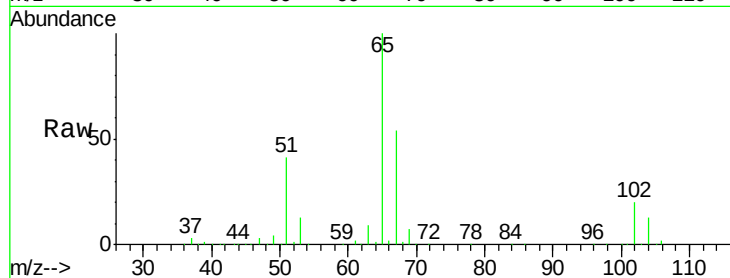
MW-6

Tgt Ion: 65 Resp: 148335

Ion Ratio Lower Upper

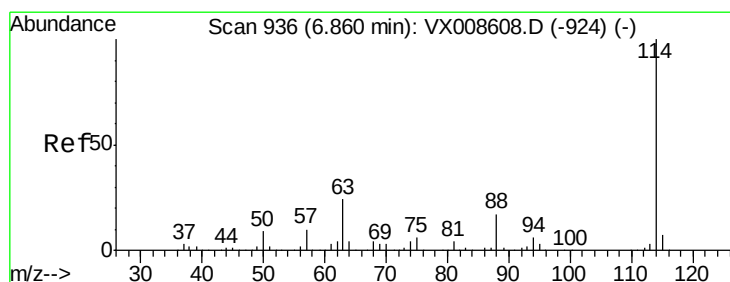
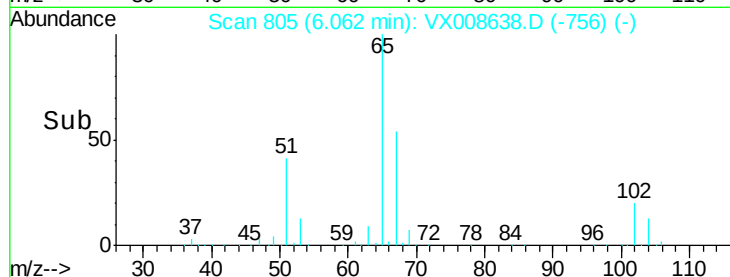
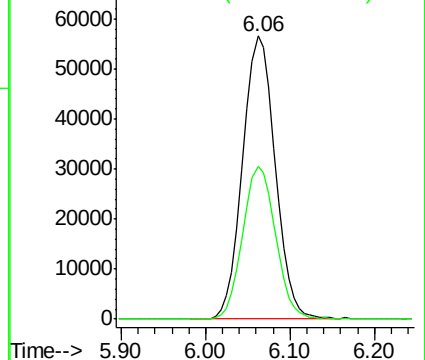
65 100

67 54.4 0.0 107.2



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: VX008638.D

Acq: 04 Apr 2019 16:07

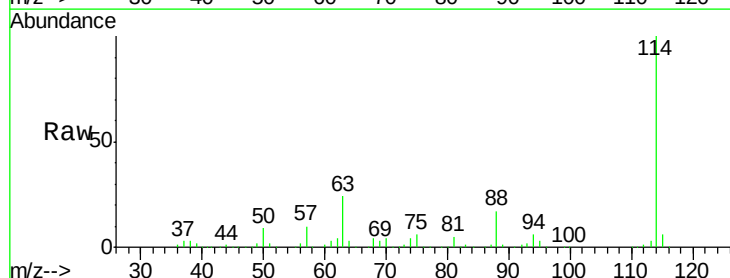
Tgt Ion: 114 Resp: 354457

Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.2

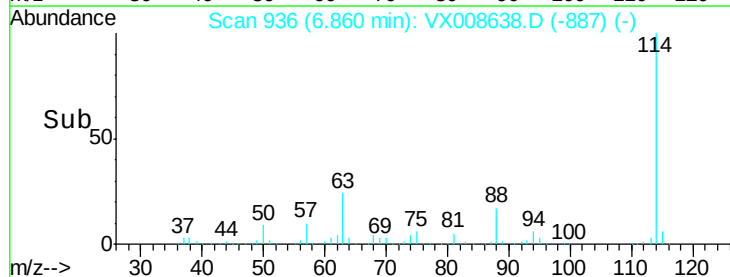
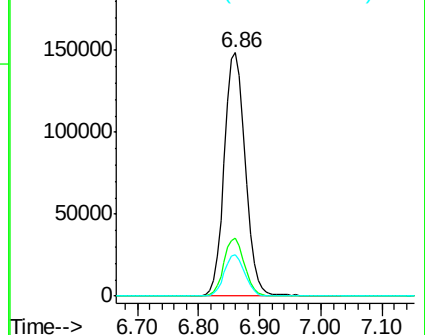
88 16.8 0.0 34.0

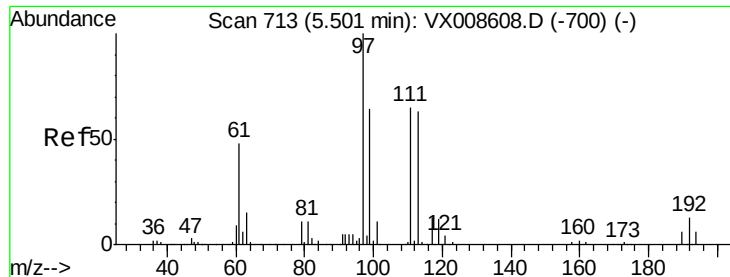


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.101 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

MW-6

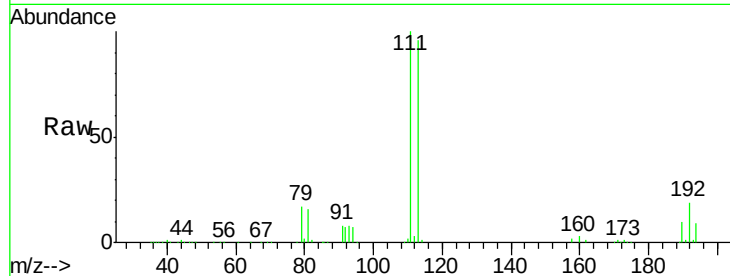
Tgt Ion:113 Resp: 109010

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

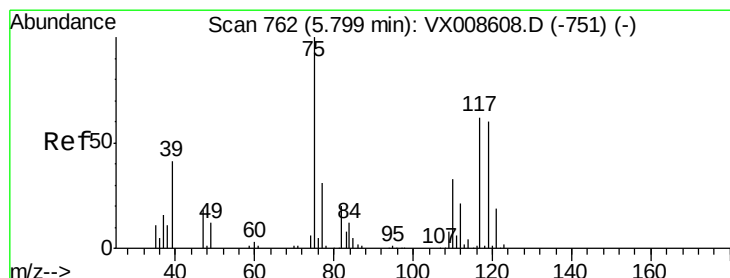
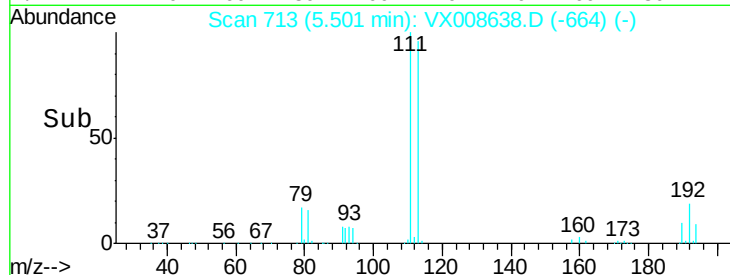
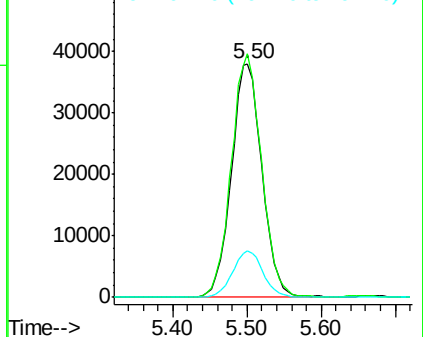
192 20.0 16.1 24.1



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



#36

1,1-Dichloropropene

Concen: 4.486 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

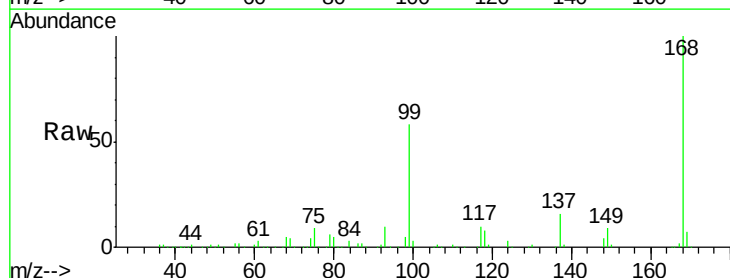
Tgt Ion: 75 Resp: 17381

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

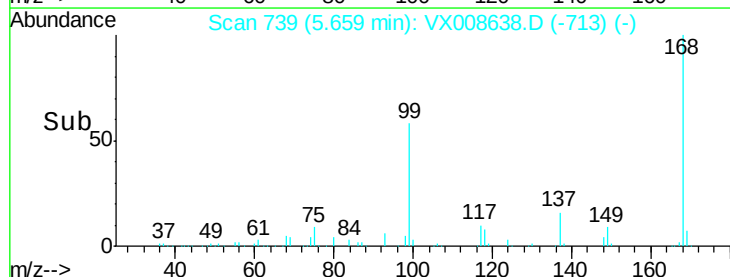
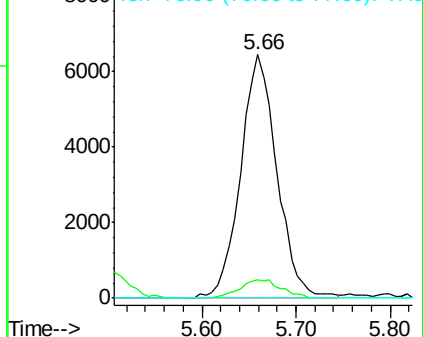
77 0.0 24.7 37.1#

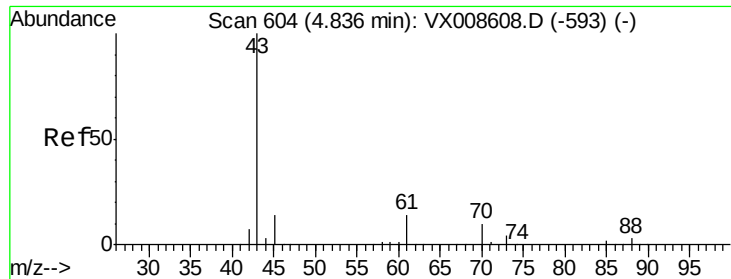


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

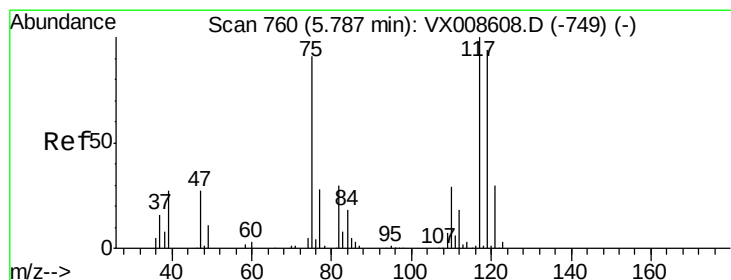
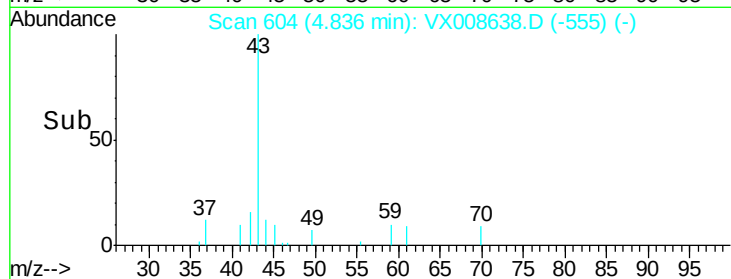
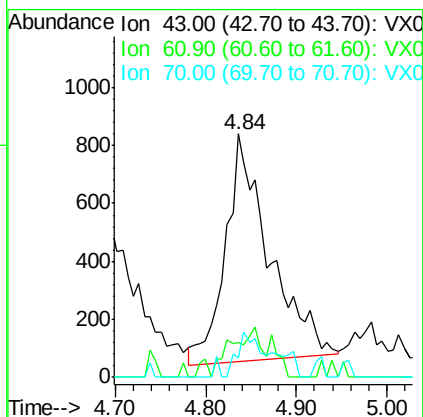
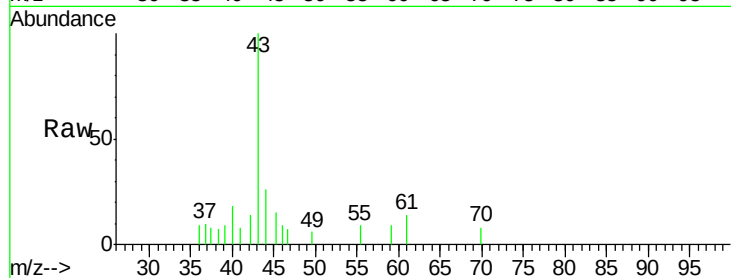




#37
 Ethyl Acetate
 Concen: 0.510 ug/l
 RT: 4.84 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

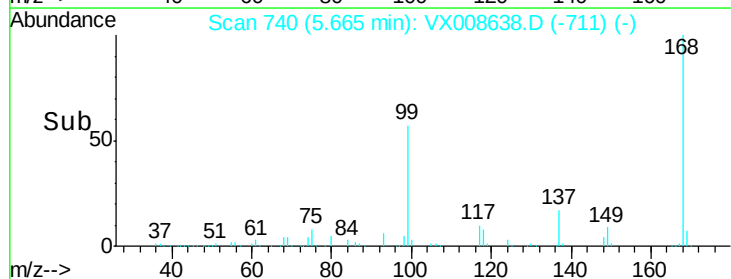
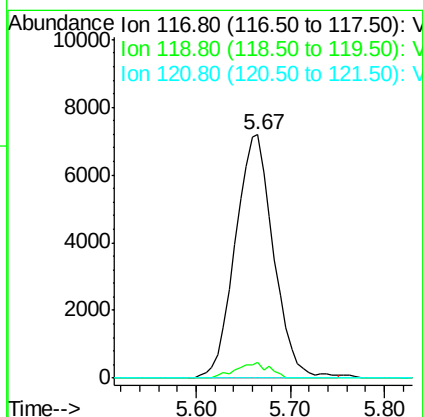
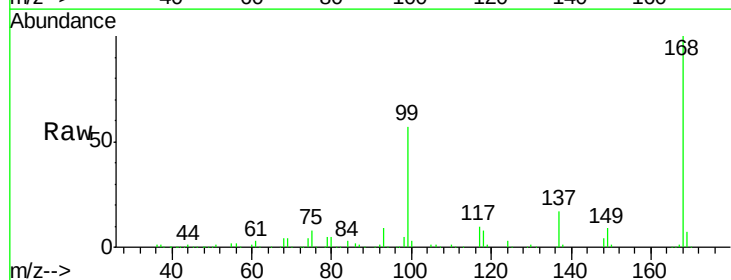
Instrument :
 MSVOA_X
 ClientSampled :
 MW-6

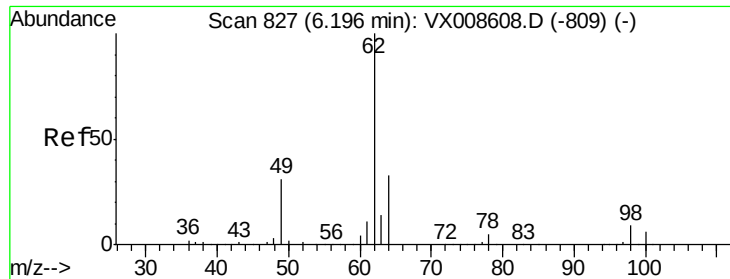
Tgt Ion: 43 Resp: 2635
 Ion Ratio Lower Upper
 43 100
 61 8.4 10.3 15.5#
 70 15.7 7.6 11.4#



#38
 Carbon Tetrachloride
 Concen: 6.345 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

Tgt Ion: 117 Resp: 20348
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.0 112.6#
 121 0.0 24.3 36.5#

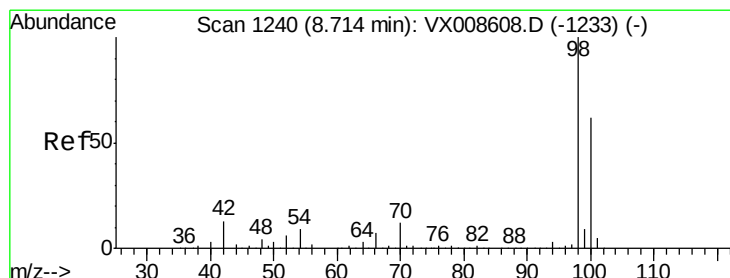
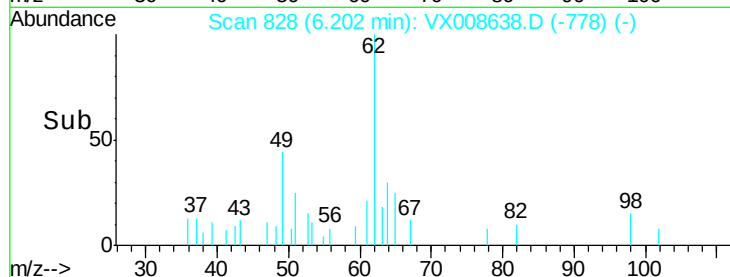
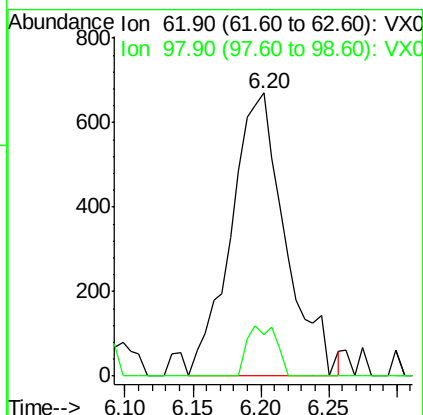
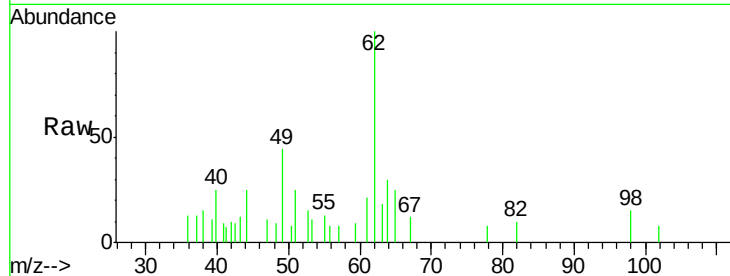




#42
 1,2-Dichloroethane
 Concen: 0.453 ug/l
 RT: 6.20 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

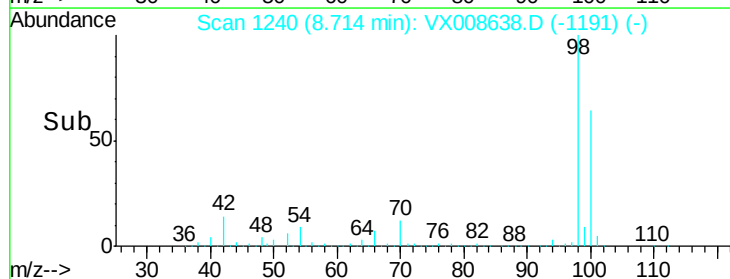
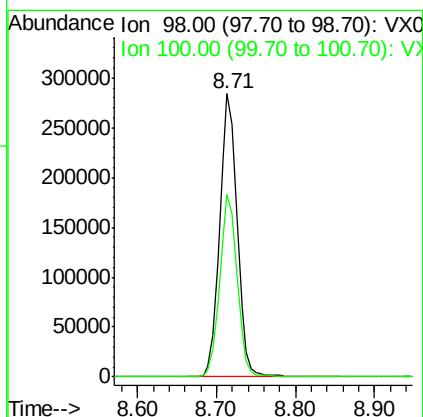
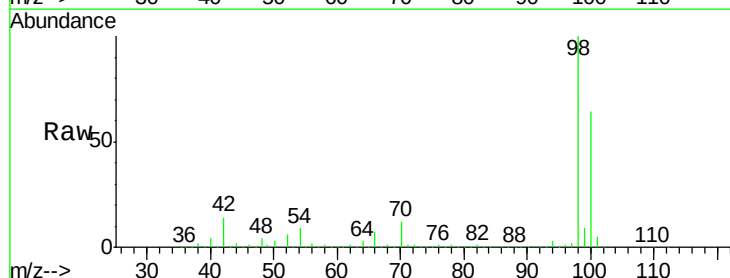
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

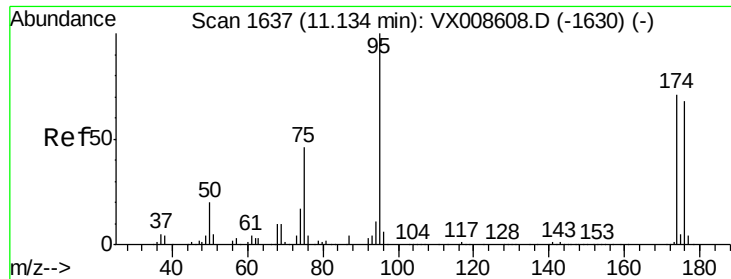
Tgt Ion: 62 Resp: 1873
 Ion Ratio Lower Upper
 62 100
 98 9.6 0.0 18.0



#50
 Toluene-d8
 Concen: 48.862 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

Tgt Ion: 98 Resp: 440913
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 43.860 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

MW-6

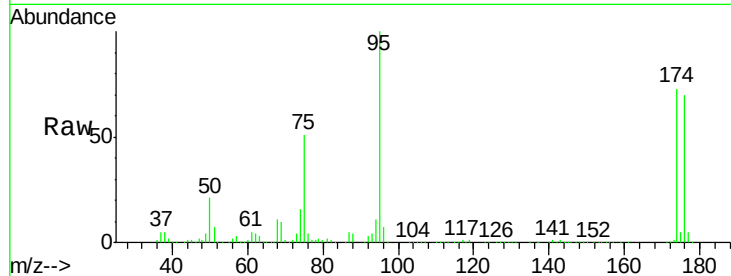
Tgt Ion: 95 Resp: 140348

Ion Ratio Lower Upper

95 100

174 75.4 0.0 151.8

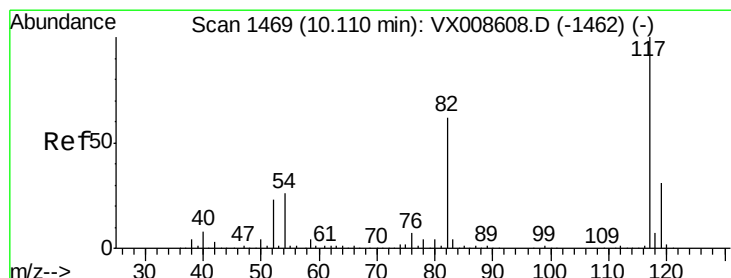
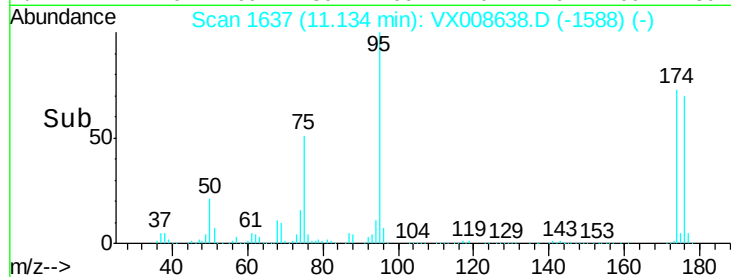
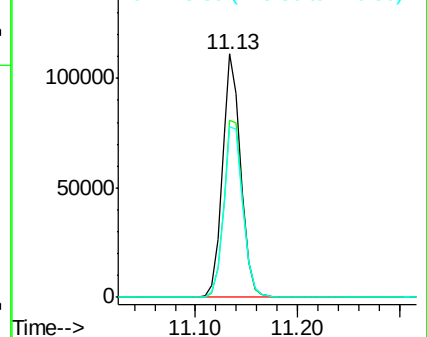
176 73.1 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008638.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008638.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008638.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

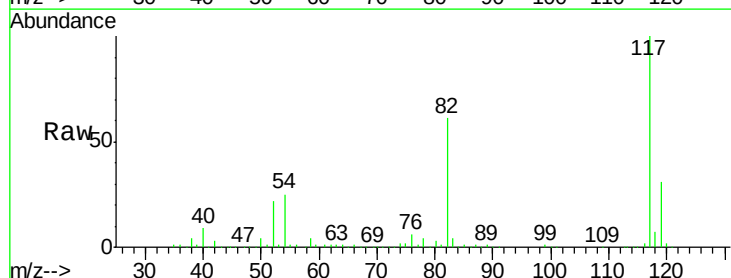
Tgt Ion: 117 Resp: 299704

Ion Ratio Lower Upper

117 100

82 61.0 49.6 74.4

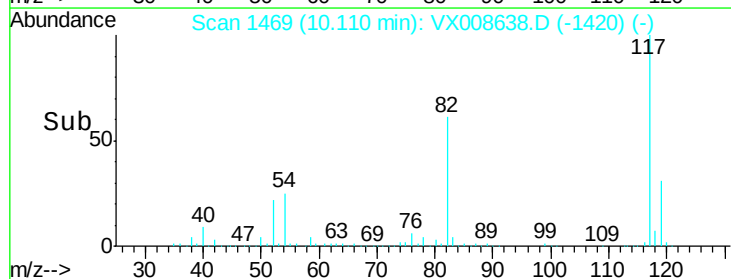
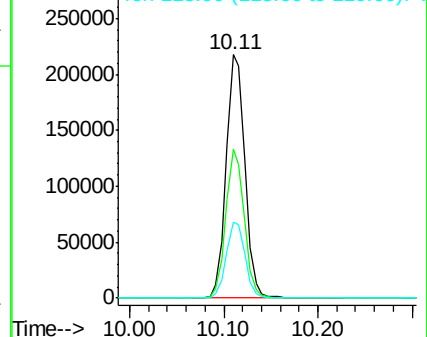
119 31.4 25.0 37.4

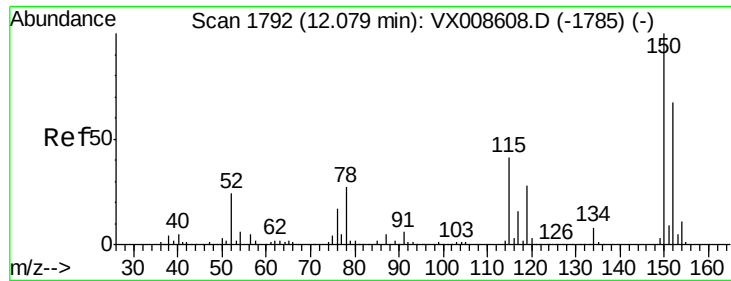


Abundance Ion 116.90 (116.60 to 117.60): VX008638.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008638.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008638.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008638.D

Acq: 04 Apr 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

MW-6

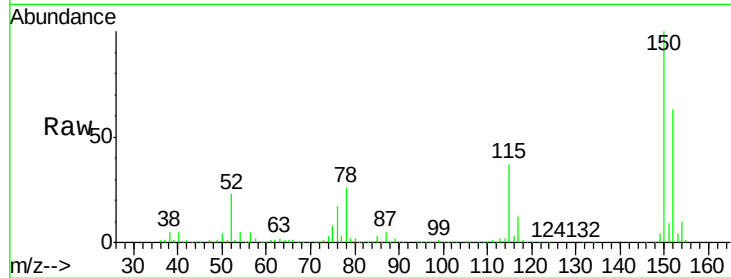
Tgt Ion:152 Resp: 113282

Ion Ratio Lower Upper

152 100

115 61.1 43.5 130.5

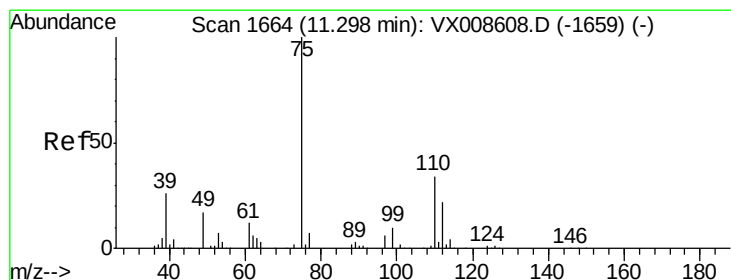
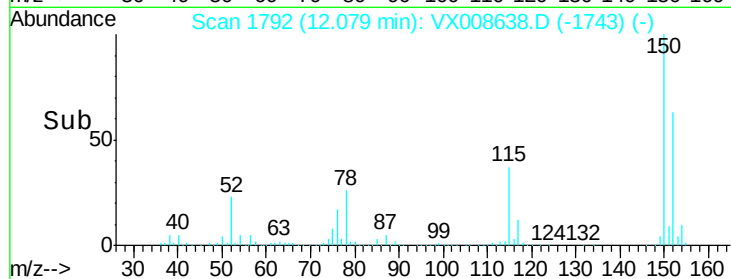
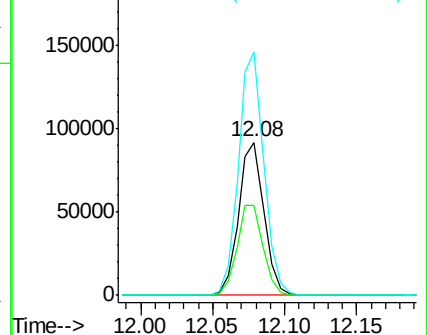
150 159.2 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 23.014 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008638.D

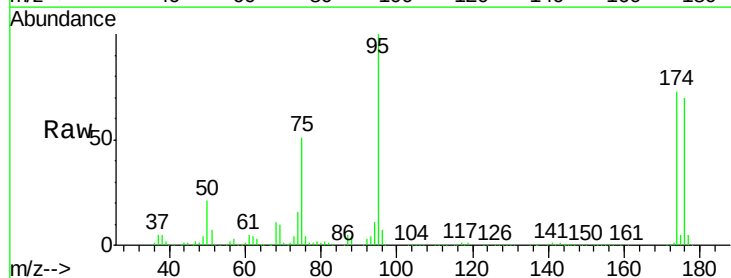
Acq: 04 Apr 2019 16:07

Tgt Ion: 75 Resp: 71620

Ion Ratio Lower Upper

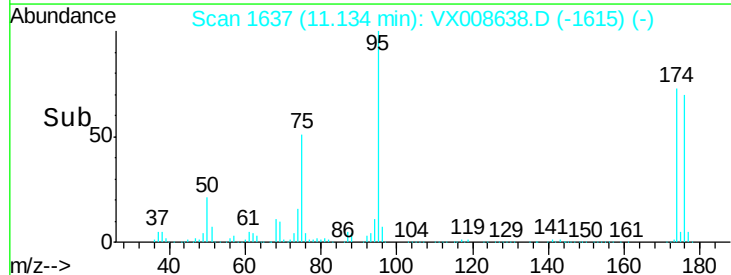
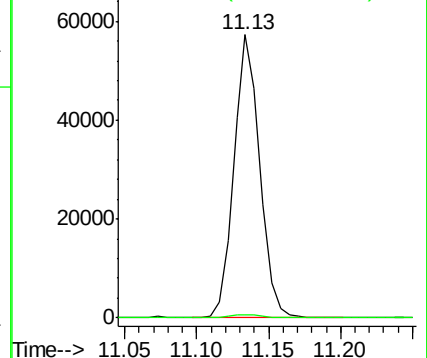
75 100

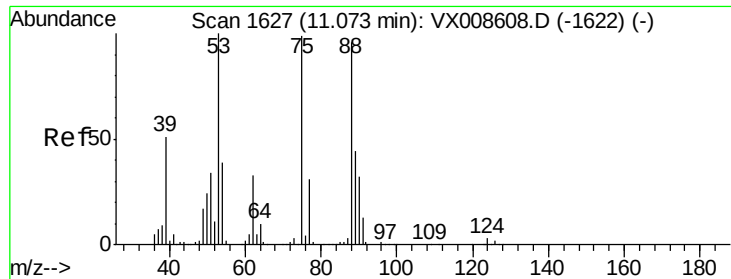
77 1.5 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.440 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008638.D
 Acq: 04 Apr 2019 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Tgt Ion: 75 Resp: 71620
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

