

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014540.D
 Acq On : 10 Jan 2020 16:22
 Operator : JC/SP
 Sample : L1080-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Jan 10 23:35:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	485939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	746776	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	668908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	298103	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	268815	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
35) Dibromofluoromethane	5.49	113	222689	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	886669	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	296932	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

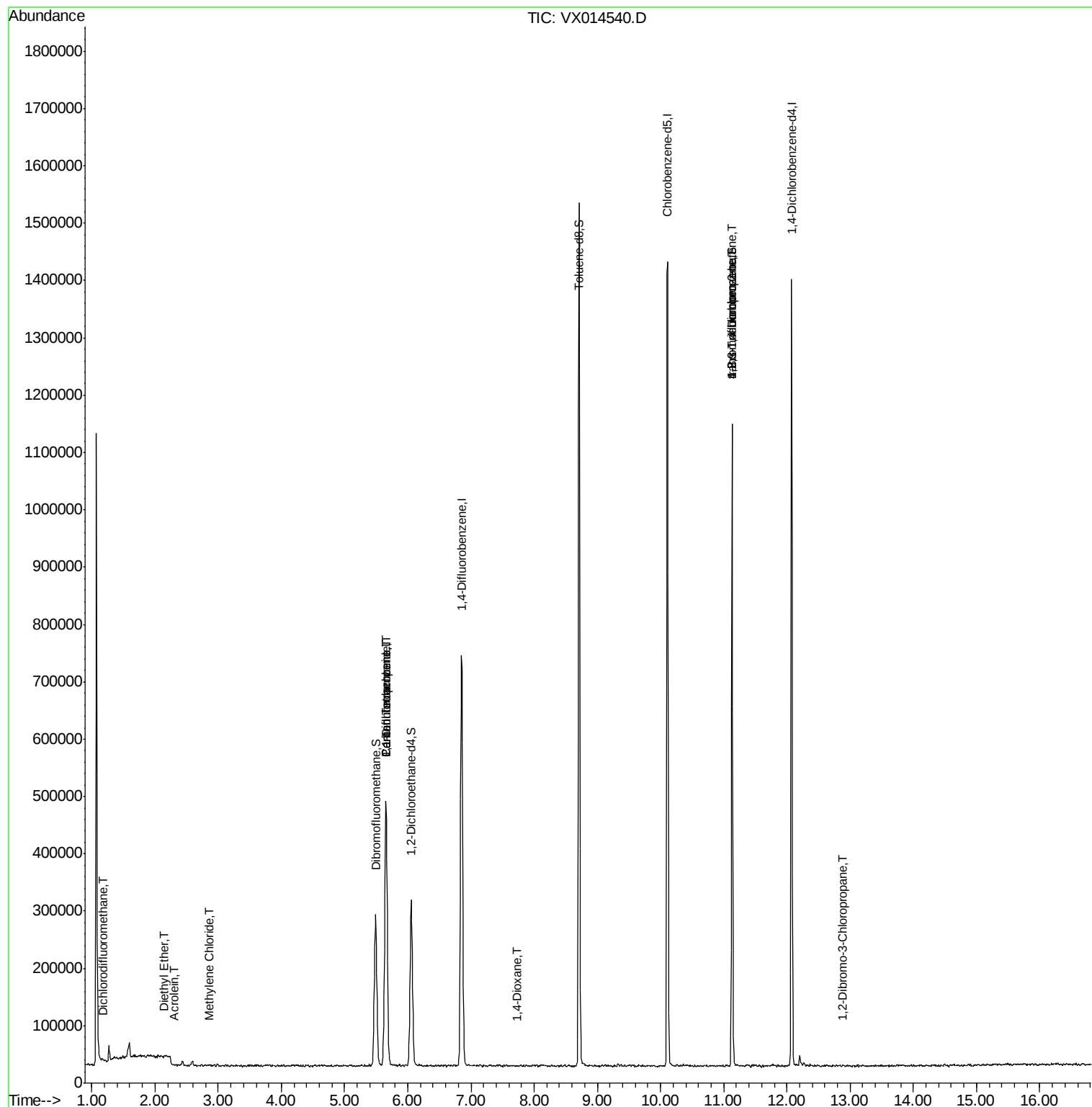
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	125	0.273	ug/l	99
6) Chloroethane	1.69	64	788	Below Cal	#	43
8) Diethyl Ether	2.14	74	851	0.238	ug/l	97
13) Acrolein	2.29	56	386	0.425	ug/l #	81
16) Acetone	2.43	43	10327	Below Cal		98
20) Methylene Chloride	2.86	84	1224	0.224	ug/l #	26
36) 1,1-Dichloropropene	5.65	75	33270	4.737	ug/l #	50
38) Carbon Tetrachloride	5.65	117	41816	6.471	ug/l #	18
49) 1,4-Dioxane	7.73	88	116	0.928	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	144062	23.357	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	144062	61.752	ug/l #	12
88) 1,4-Dichlorobenzene	12.08	146	701	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	12.87	75	390	0.258	ug/l	61
93) 1,2,4-Trichlorobenzene	13.65	180	406	Below Cal	#	74
96) 1,2,3-Trichlorobenzene	14.03	180	220	Below Cal	#	1

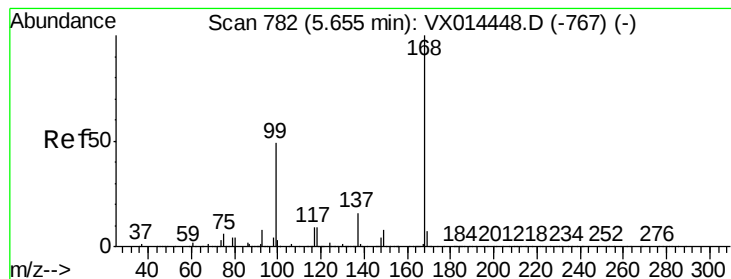
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

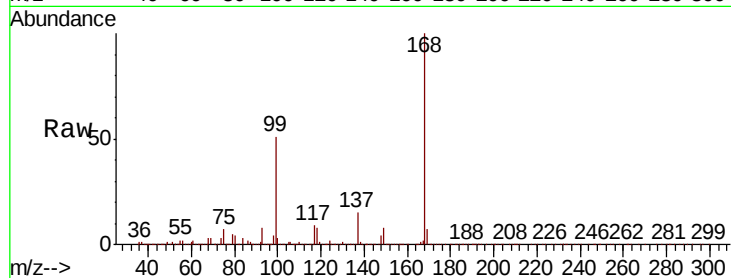
MW-6

Tot Ion:168 Resp: 485939

Ion Ratio Lower Upper

168 100

99 51.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

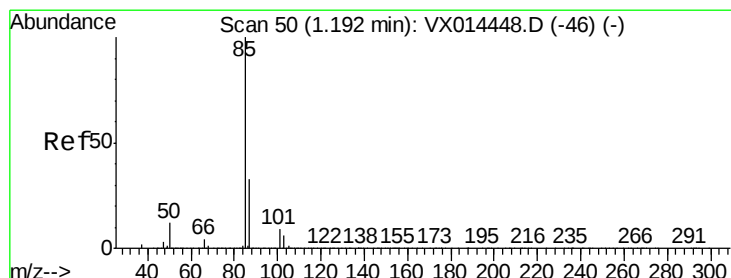
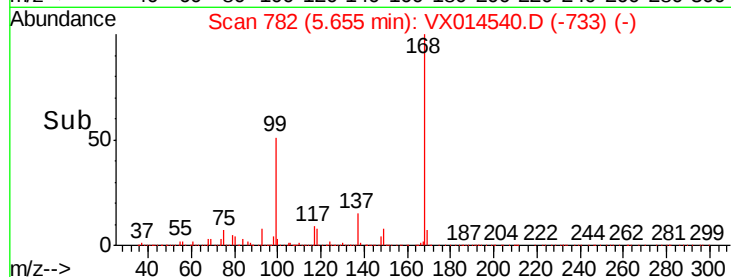
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.273 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014540.D

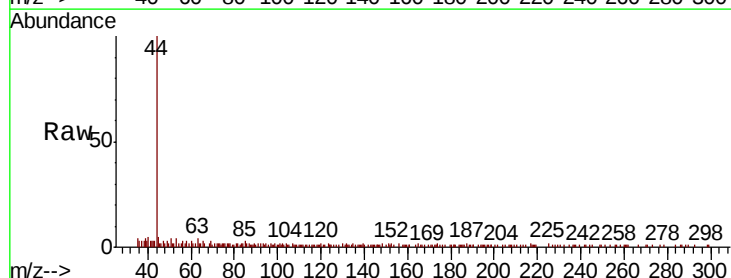
Acq: 10 Jan 2020 16:22

Tgt Ion: 85 Resp: 125

Ion Ratio Lower Upper

85 100

87 32.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

150

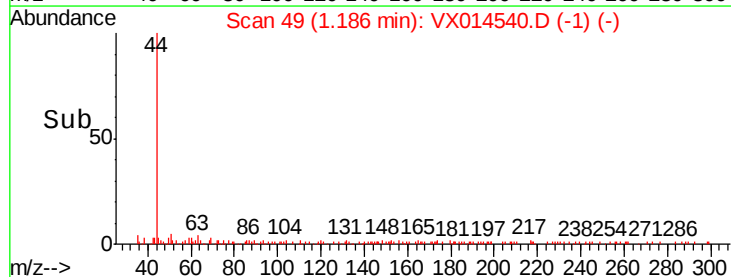
100

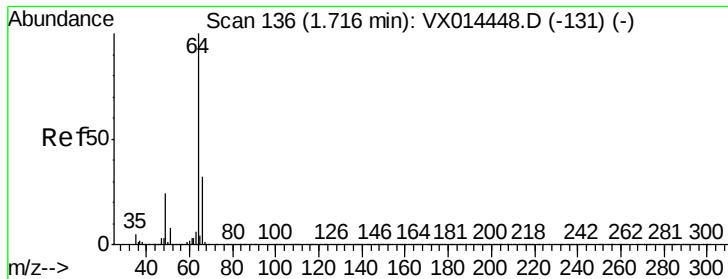
50

0

1.17 1.18 1.19

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.03 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

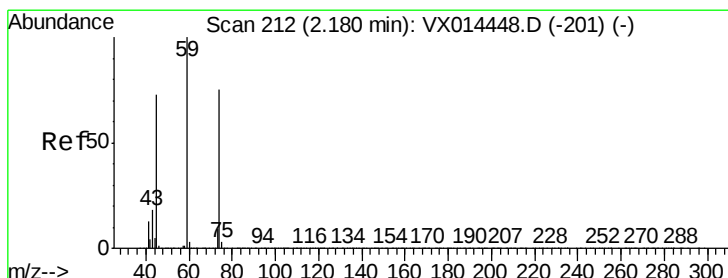
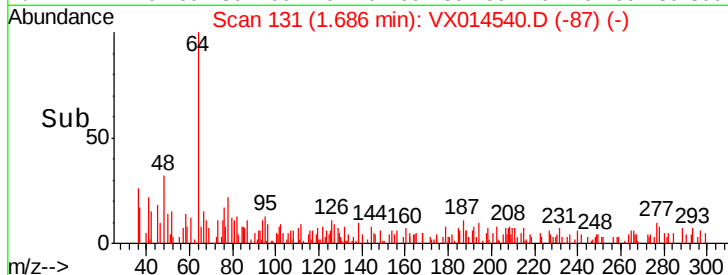
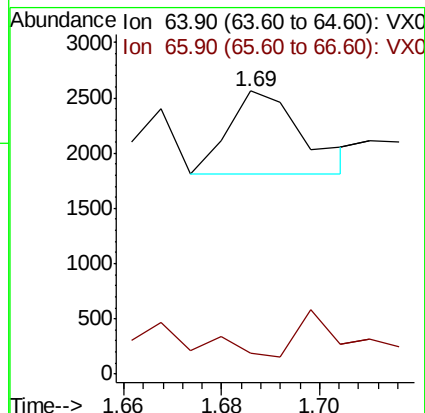
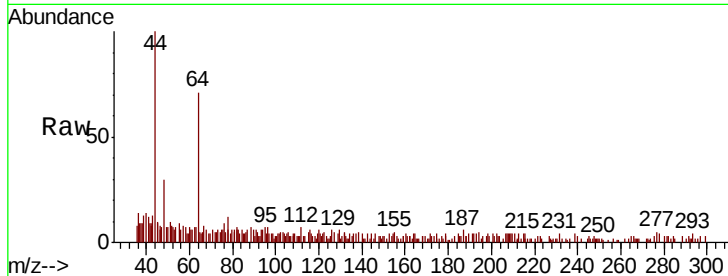
MW-6

Tot Ion: 64 Resp: 788

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#8

Diethyl Ether

Concen: 0.238 ug/l

RT: 2.14 min Scan# 205

Delta R.T. -0.04 min

Lab File: VX014540.D

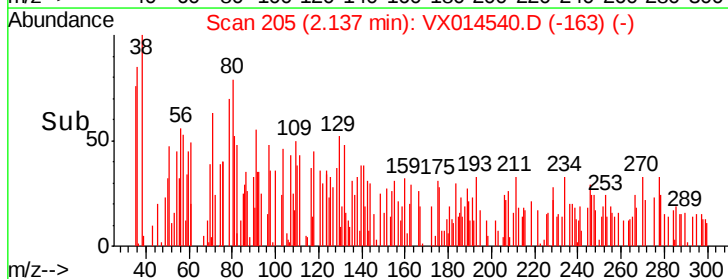
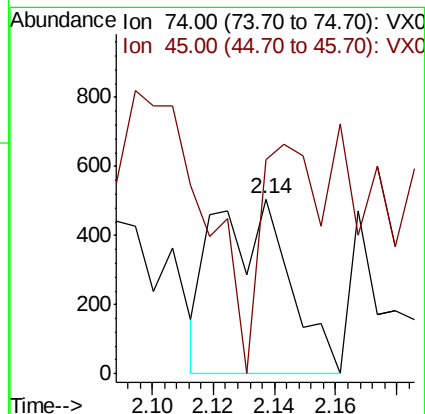
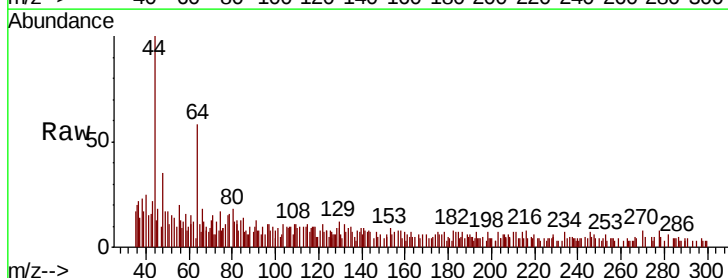
Acq: 10 Jan 2020 16:22

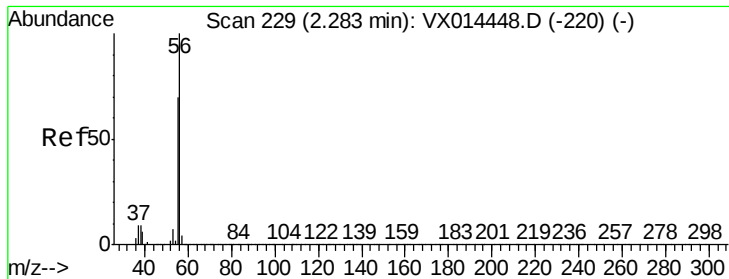
Tgt Ion: 74 Resp: 851

Ion Ratio Lower Upper

74 100

45 100.8 48.7 146.1





#13

Acrolein

Concen: 0.425 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

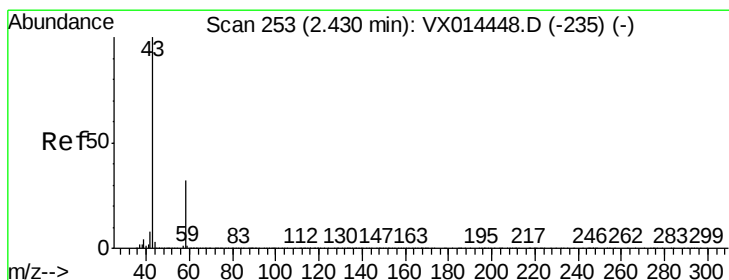
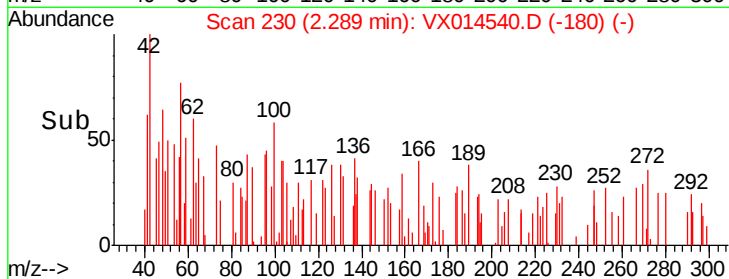
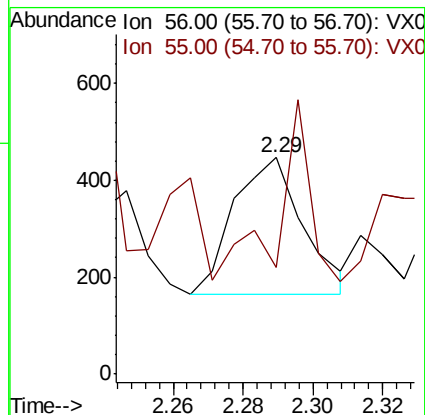
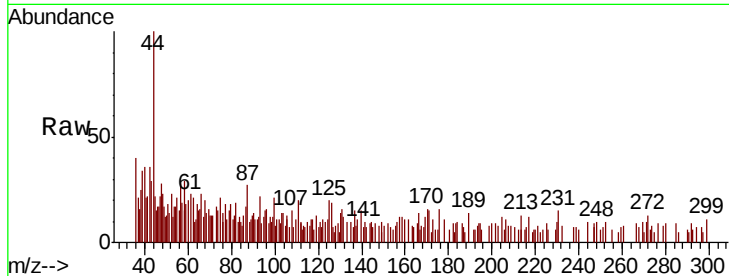
MW-6

Tot Ion: 56 Resp: 386

Ion Ratio Lower Upper

56 100

55 53.6 55.0 82.6#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014540.D

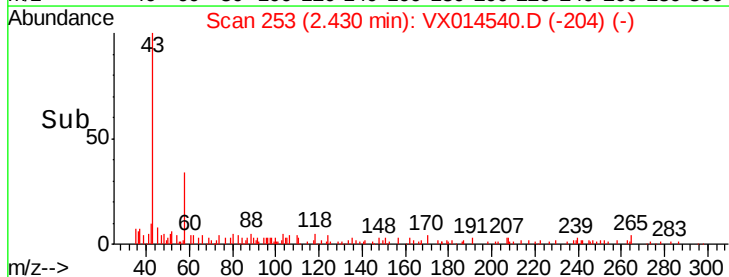
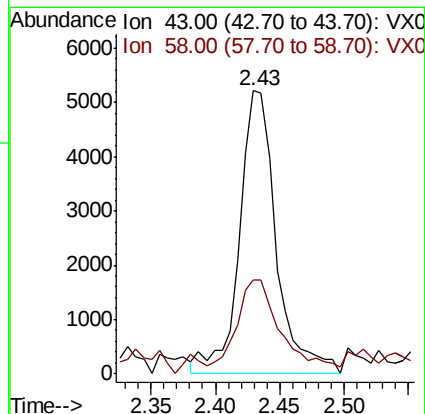
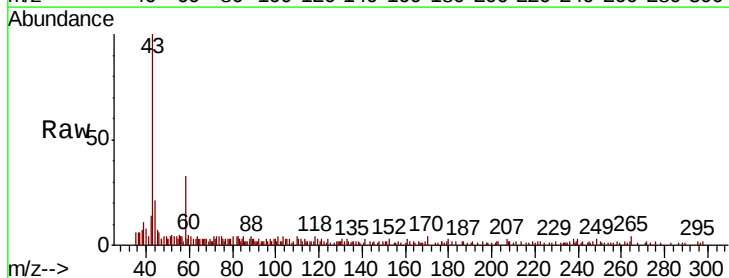
Acq: 10 Jan 2020 16:22

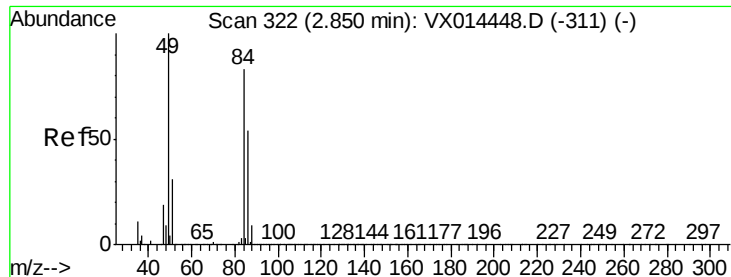
Tgt Ion: 43 Resp: 10327

Ion Ratio Lower Upper

43 100

58 30.5 25.4 38.0

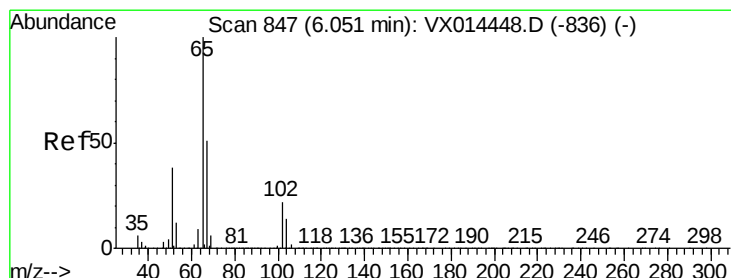
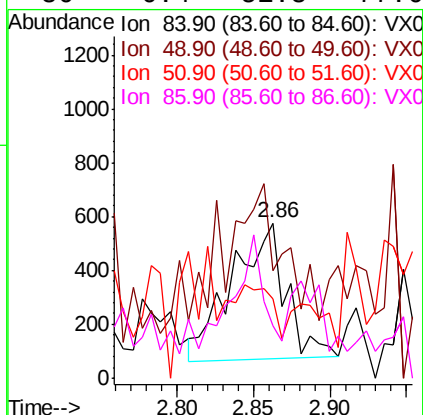
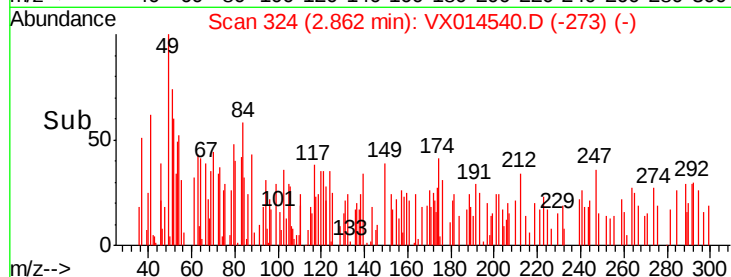
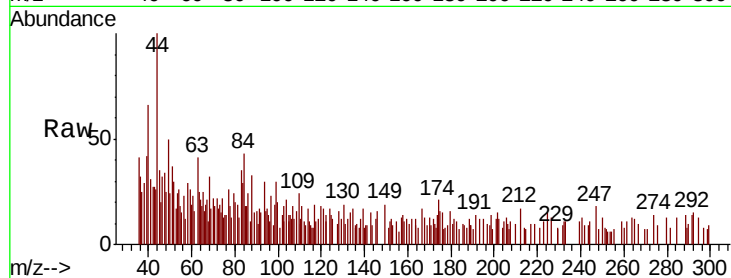




#20
Methvlene Chloride
Concen: 0.224 ug/l
RT: 2.86 min Scan# 324
Delta R.T. 0.01 min
Lab File: VX014540.D
Acq: 10 Jan 2020 16:22

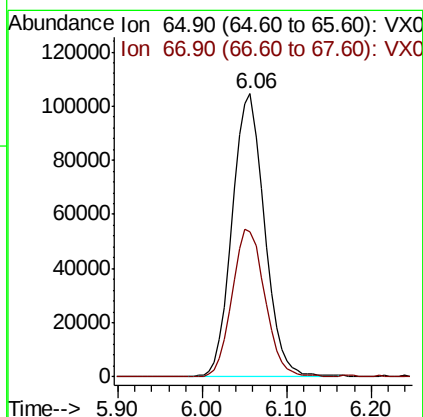
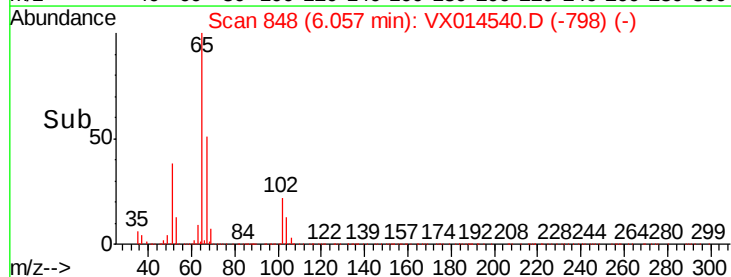
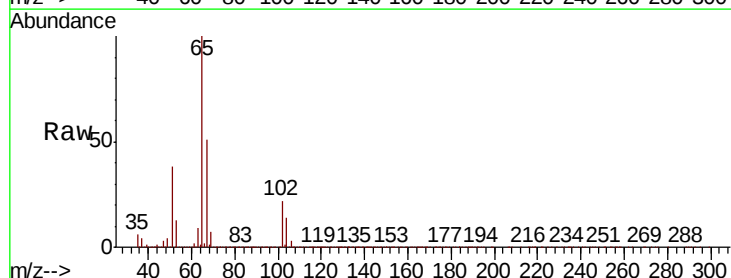
Instrument :
MSVOA_X
ClientSampleId :
MW-6

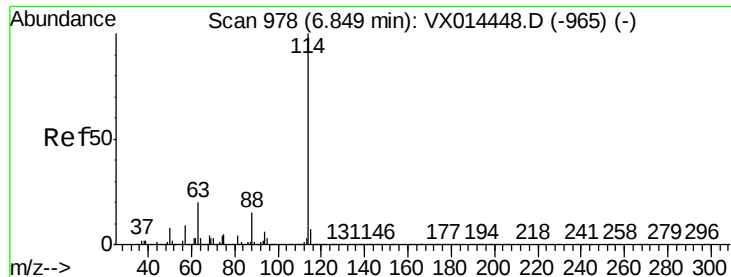
Tot Ion: 84 Resp: 1224
Ion Ratio Lower Upper
84 100
49 28.6 95.8 143.8#
51 65.9 30.2 45.4#
86 6.4 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 49.554 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014540.D
Acq: 10 Jan 2020 16:22

Tgt Ion: 65 Resp: 268815
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MW-6

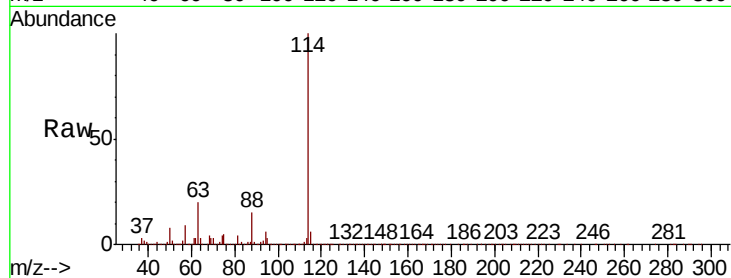
Tot Ion:114 Resp: 746776

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

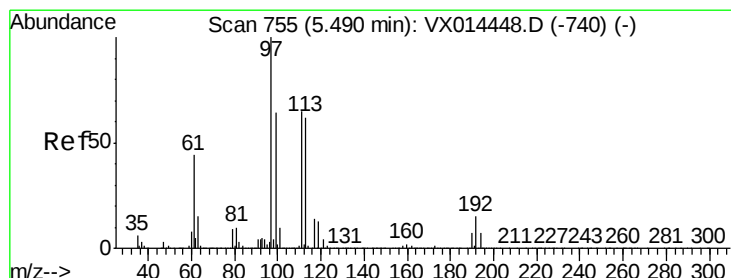
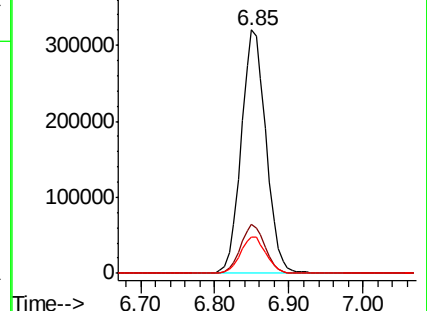
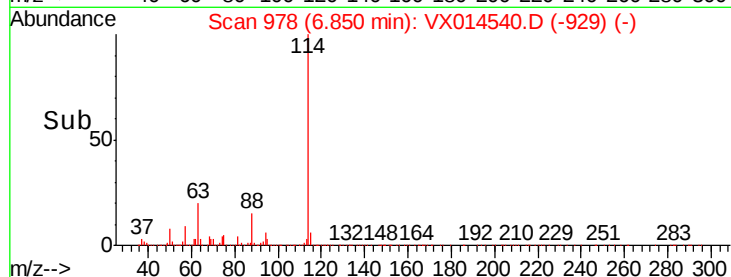
88 15.0 0.0 30.8



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: 49.261 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

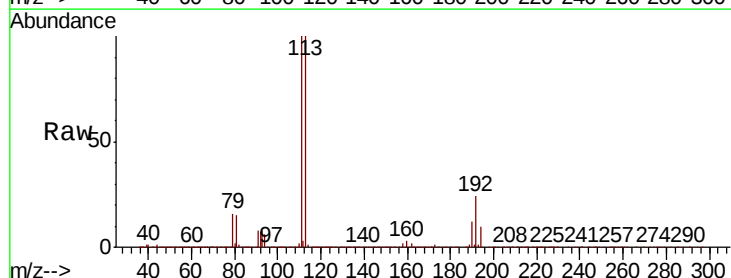
Tgt Ion:113 Resp: 222689

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

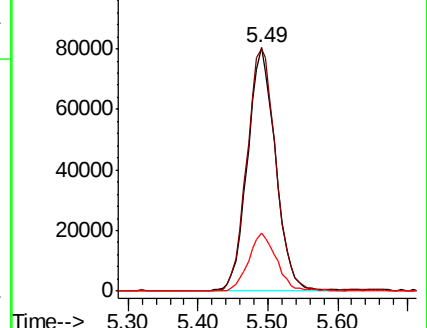
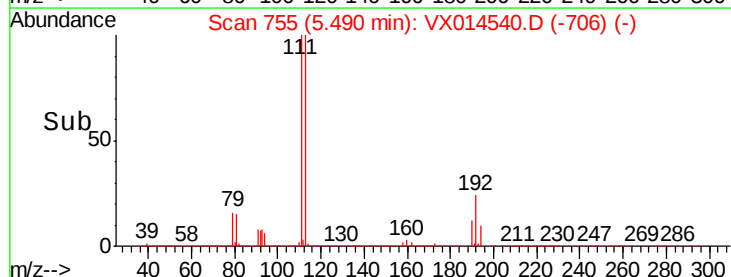
192 23.8 19.2 28.8

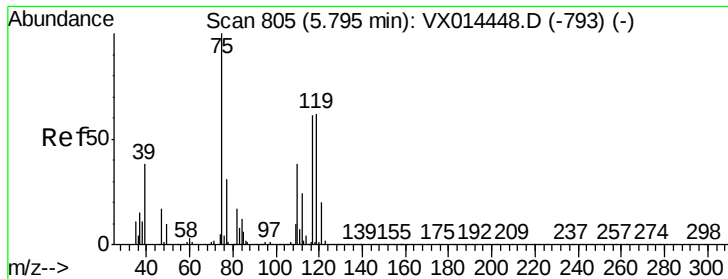


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

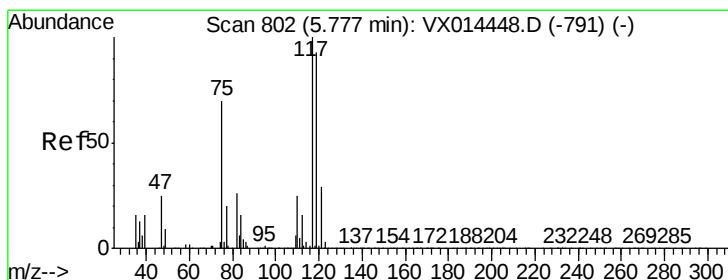
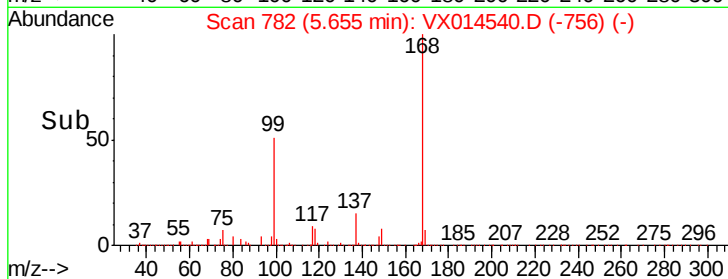
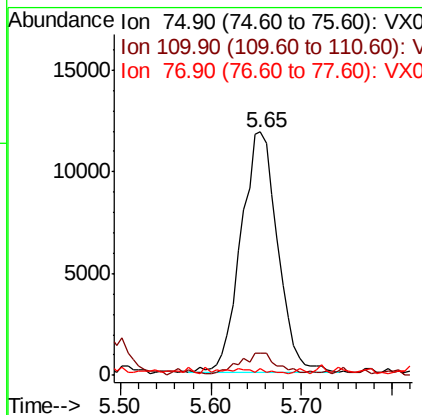
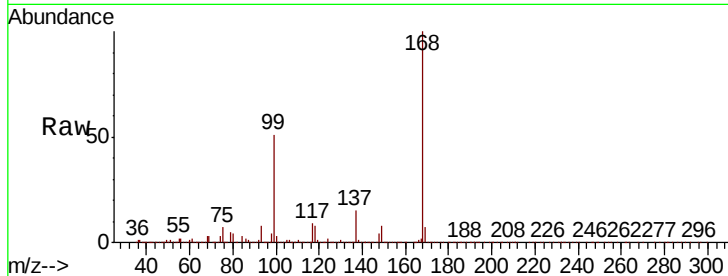




#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014540.D
 Acq: 10 Jan 2020 16:22

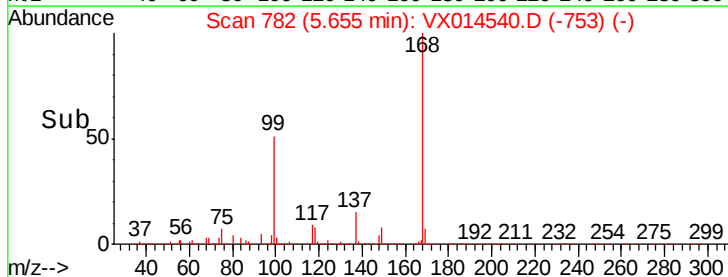
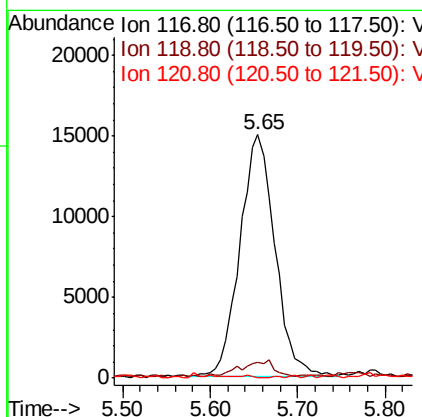
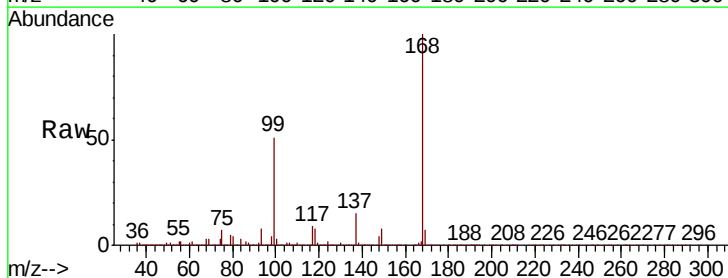
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

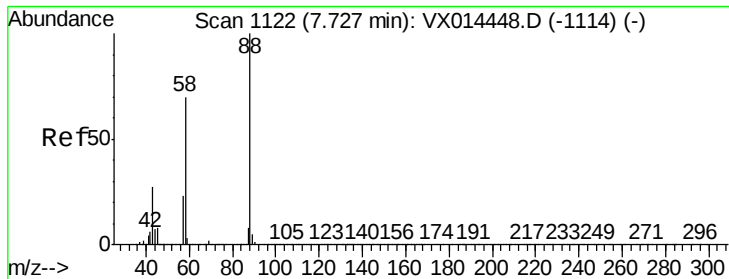
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.6	55.8#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.471 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014540.D
 Acq: 10 Jan 2020 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	73.8	110.8#
121	0.7	23.4	35.0#





#49

1,4-Dioxane

Concen: 0.928 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MW-6

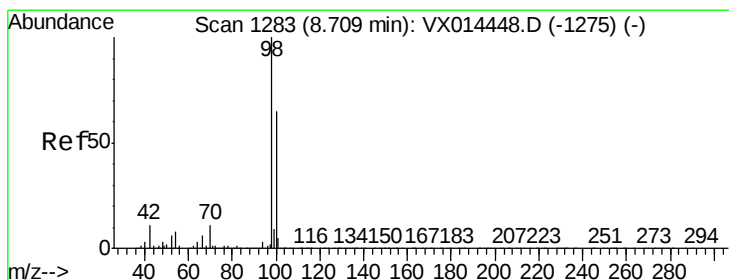
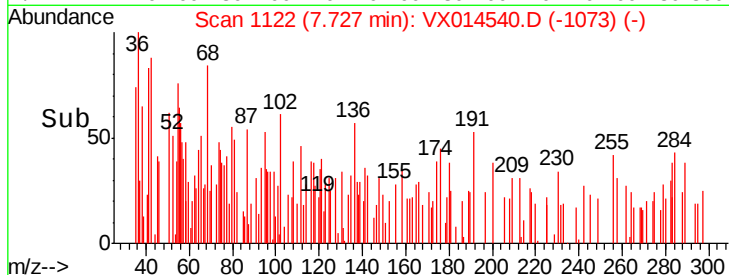
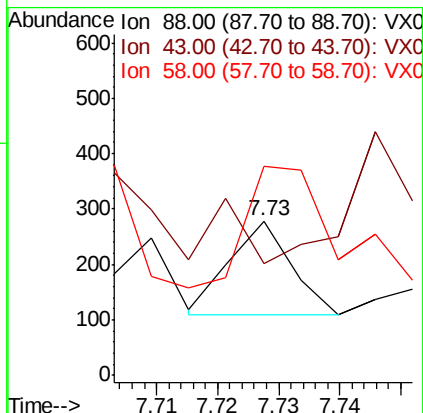
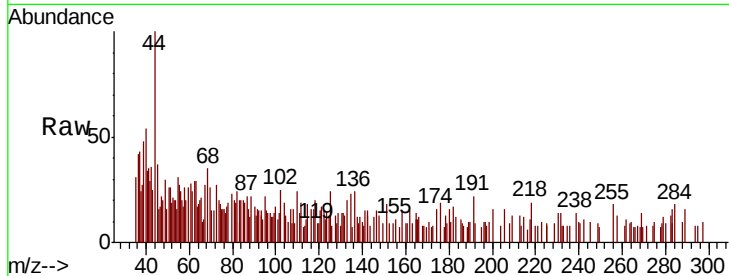
Tot Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 388.8 27.4 41.0#

58 200.0 57.1 85.7#



#50

Toluene-d8

Concen: 50.543 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014540.D

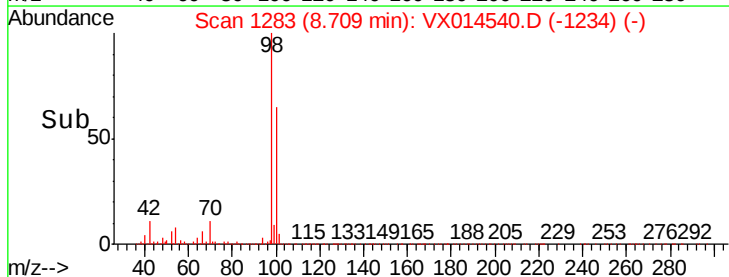
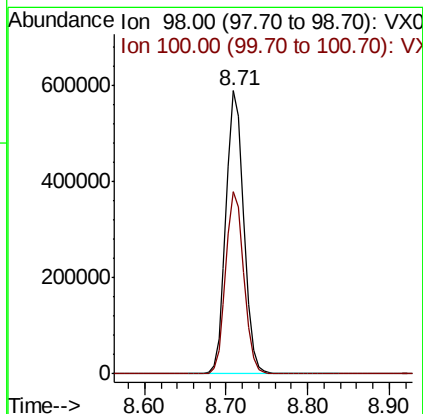
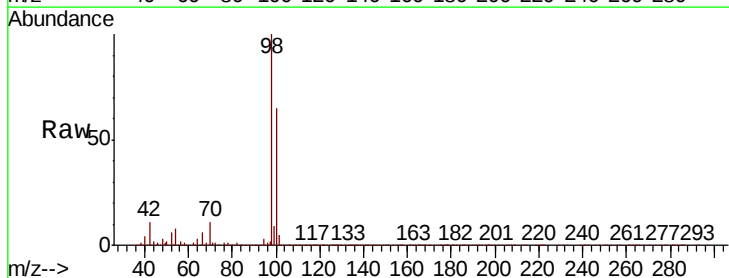
Acq: 10 Jan 2020 16:22

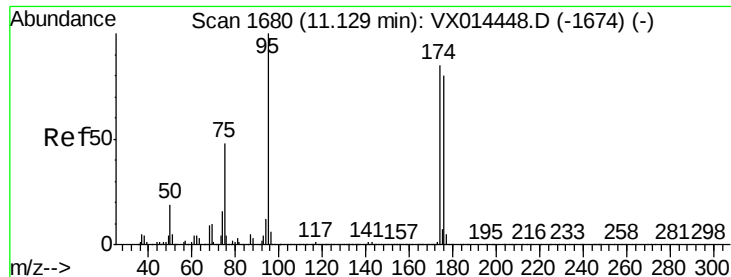
Tgt Ion: 98 Resp: 886669

Ion Ratio Lower Upper

98 100

100 65.6 53.2 79.8

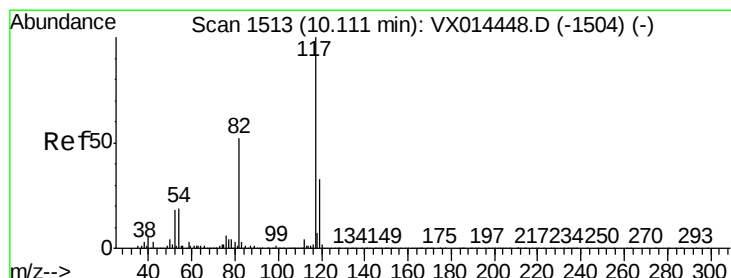
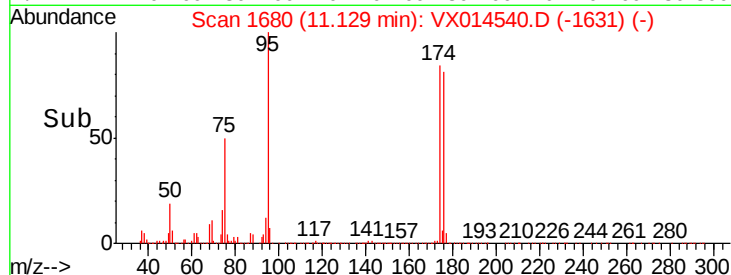
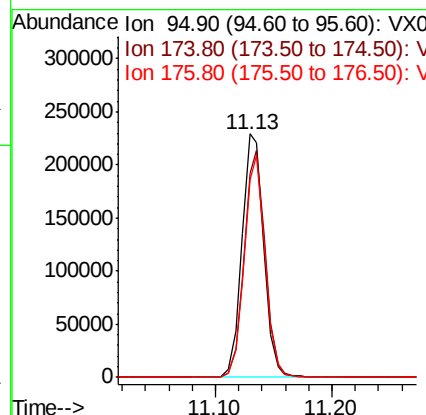
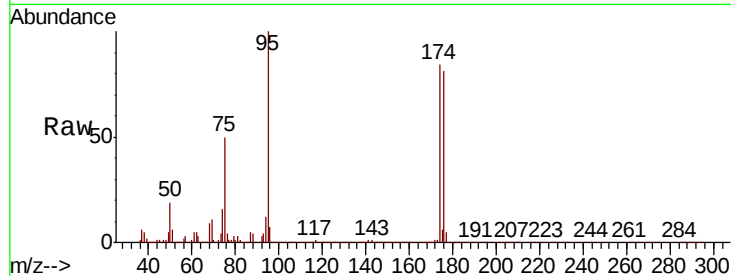




#62
4-Bromofluorobenzene
Concen: 46.106 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014540.D
Acq: 10 Jan 2020 16:22

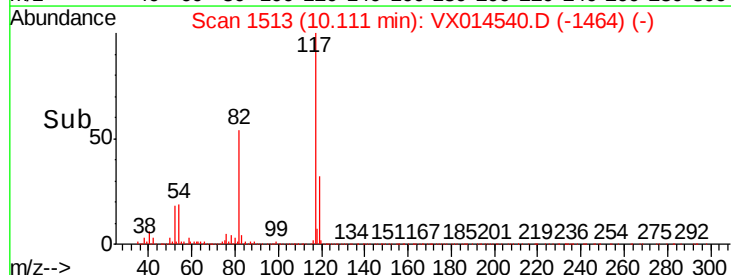
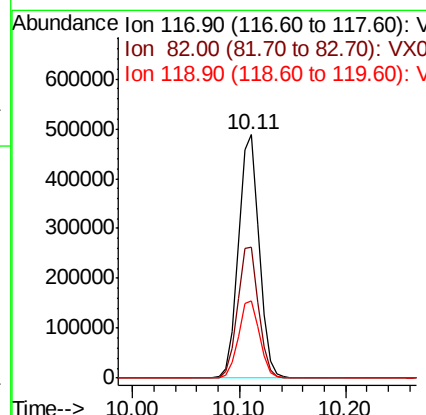
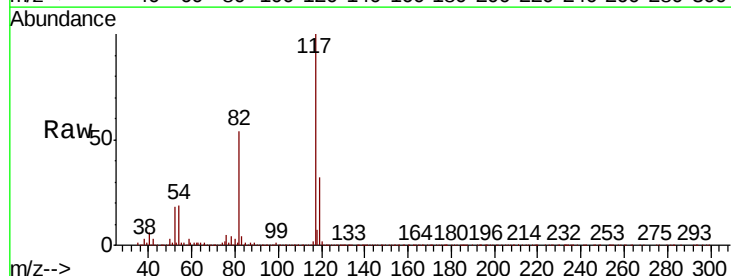
Instrument :
MSVOA_X
ClientSampleId :
MW-6

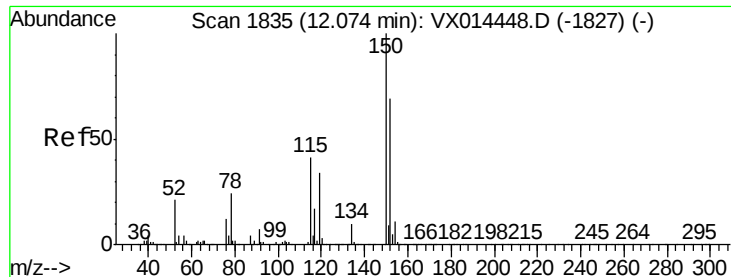
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	180.8
176	87.5	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014540.D
Acq: 10 Jan 2020 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.6
119	31.7	26.2	39.4



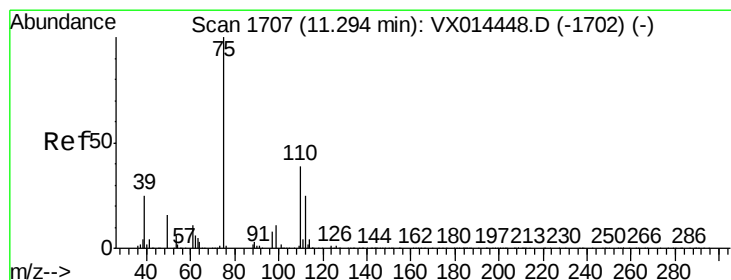
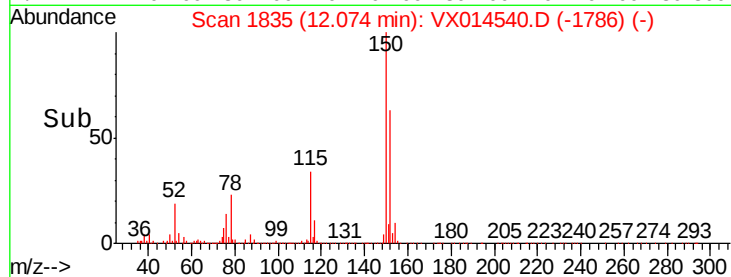
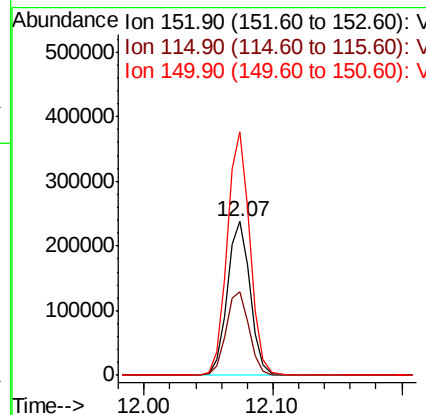
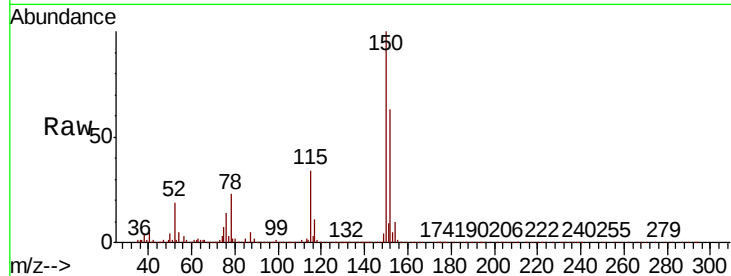


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014540.D
Acq: 10 Jan 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
MW-6

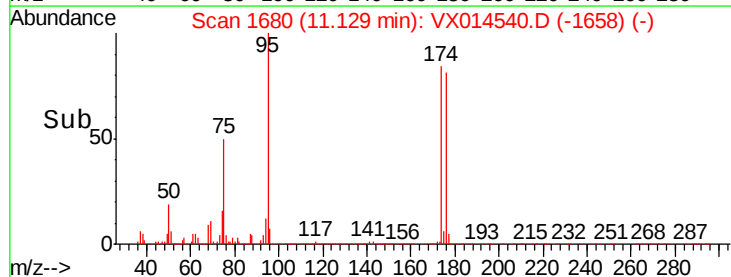
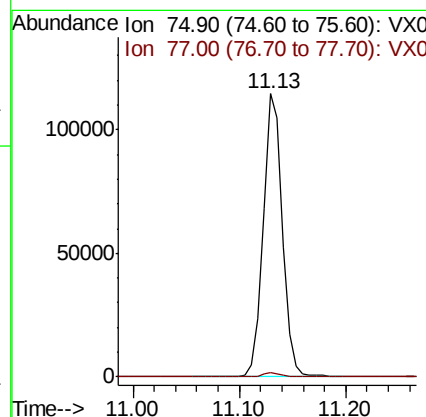
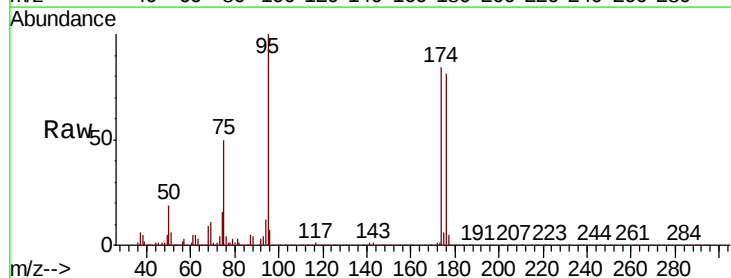
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	39.5	118.3
150	156.8	0.0	350.2

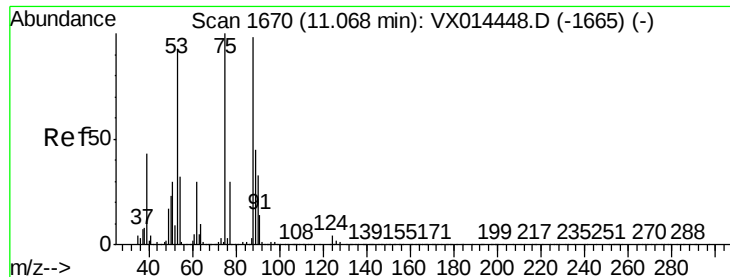


#76

1,2,3-Trichloropropane
Concen: 23.357 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014540.D
Acq: 10 Jan 2020 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.9	65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.752 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MW-6

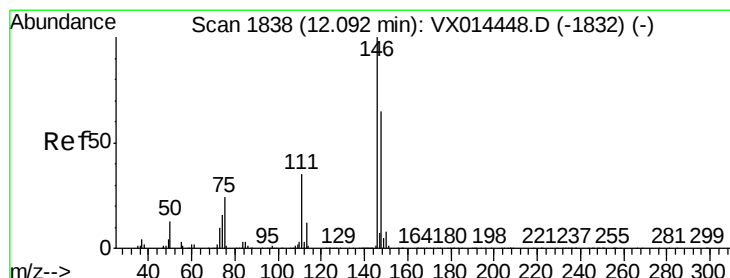
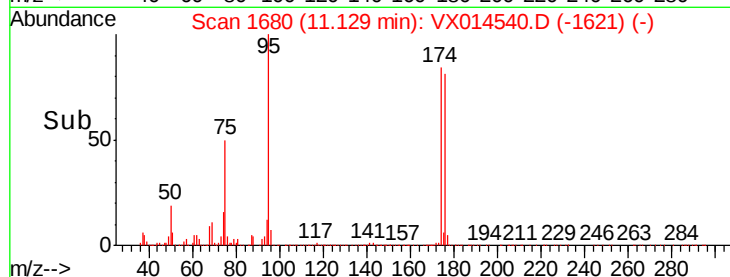
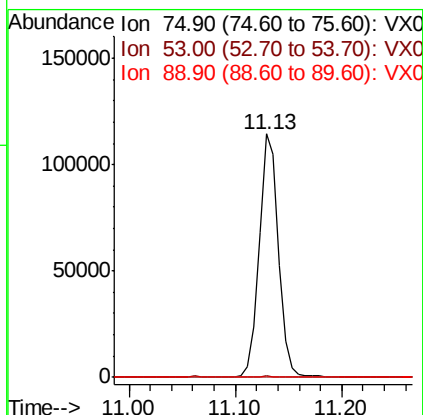
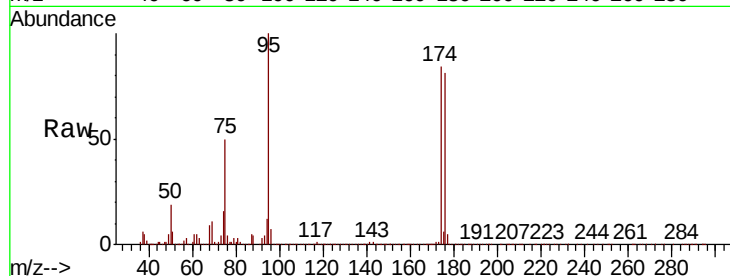
Tot Ion: 75 Resp: 144062

Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.0 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.08 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VX014540.D

Acq: 10 Jan 2020 16:22

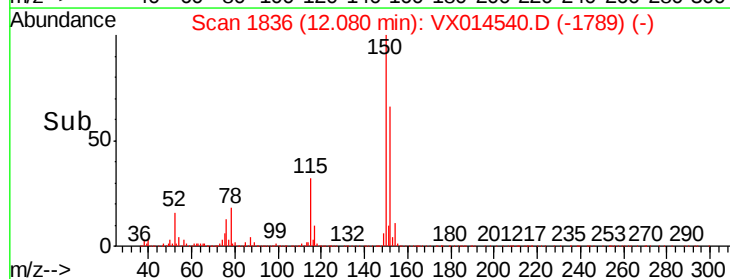
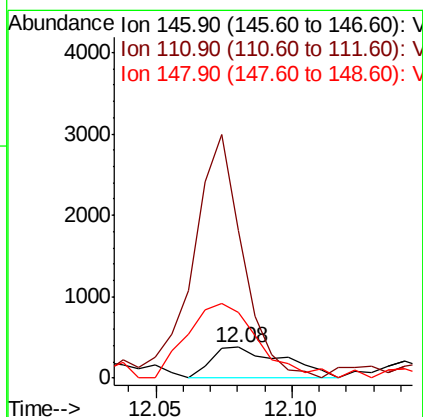
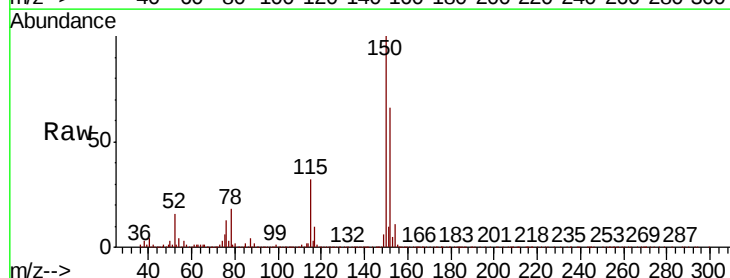
Tgt Ion:146 Resp: 701

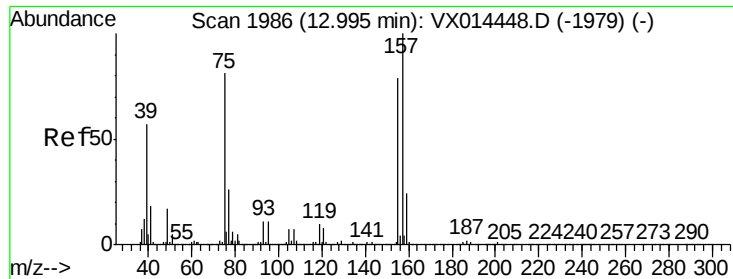
Ion Ratio Lower Upper

146 100

111 558.9 18.1 54.1#

148 237.7 32.1 96.3#

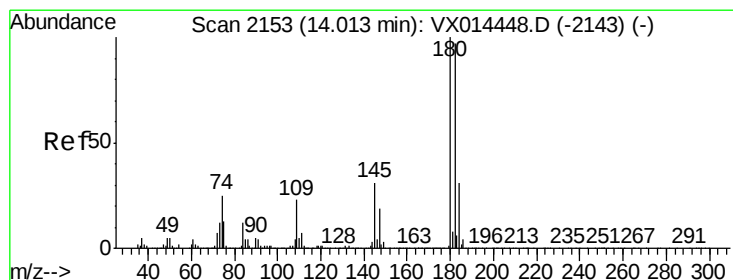
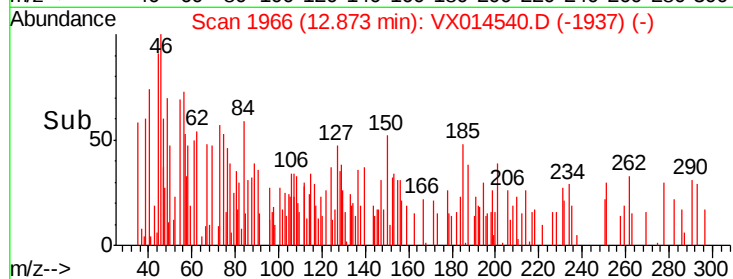
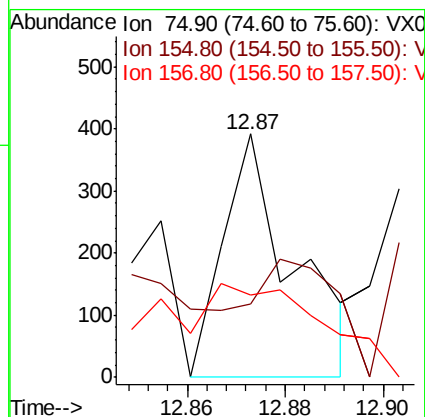
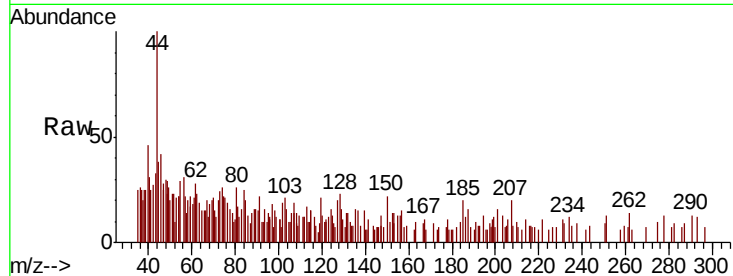




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.258 ug/l
 RT: 12.87 min Scan# 1966
 Delta R.T. -0.12 min
 Lab File: VX014540.D
 Acq: 10 Jan 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Tot Ion: 75 Resp: 390
 Ion Ratio Lower Upper
 75 100
 155 57.9 48.7 146.1
 157 79.7 62.0 185.9



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.03 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VX014540.D
 Acq: 10 Jan 2020 16:22

Tgt Ion: 180 Resp: 220
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 87.7 14.8 44.3#

