

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012020\
 Data File : VX014665.D
 Acq On : 20 Jan 2020 10:36
 Operator : JC/SP
 Sample : VX0120WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 21 00:30:06 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	446996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	696440	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	624037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	277574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	260074	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	5.48	113	213967	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	8.71	98	821619	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	274996	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

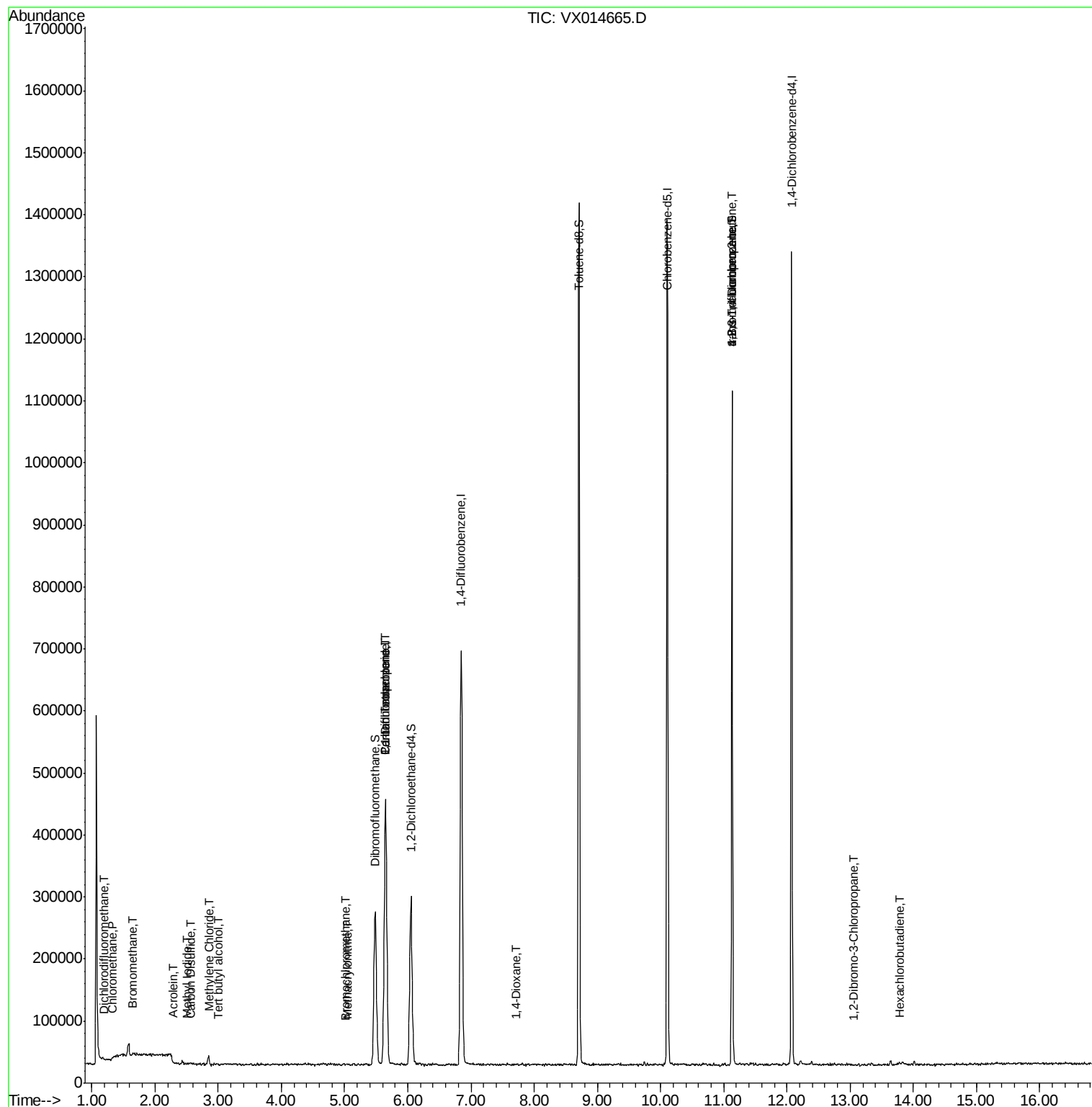
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	364	0.318	ug/l #	42
3) Chloromethane	1.32	50	1146	0.201	ug/l	98
5) Bromomethane	1.66	94	2106	0.500	ug/l	87
6) Chloroethane	1.70	64	187	Below Cal	#	1
10) Methyl Iodide	2.51	142	1926	0.367	ug/l #	90
11) Tert butyl alcohol	3.01	59	361	0.346	ug/l #	72
13) Acrolein	2.29	56	263	0.315	ug/l #	1
16) Acetone	2.43	43	6109	Below Cal	#	83
17) Carbon Disulfide	2.56	76	3293	0.267	ug/l #	78
20) Methylene Chloride	2.84	84	7985	1.591	ug/l #	94
28) Bromochloromethane	5.01	49	889	0.259	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	30934	4.723	ug/l #	50
38) Carbon Tetrachloride	5.65	117	38570	6.400	ug/l #	18
41) Methacrylonitrile	5.05	41	1190	0.314	ug/l #	54
49) 1,4-Dioxane	7.72	88	286	2.452	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	137410	23.926	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	137410	63.257	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	1390	Below Cal		85
92) 1,2-Dibromo-3-Chloropropan	13.06	75	334	0.238	ug/l	61
94) Hexachlorobutadiene	13.78	225	478	0.214	ug/l #	62

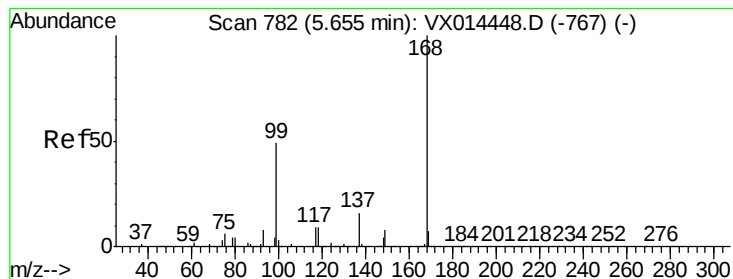
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012020\
Data File : VX014665.D
Acq On : 20 Jan 2020 10:36
Operator : JC/SP
Sample : VX0120WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 21 00:30:06 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

Instrument :

MSVOA_X

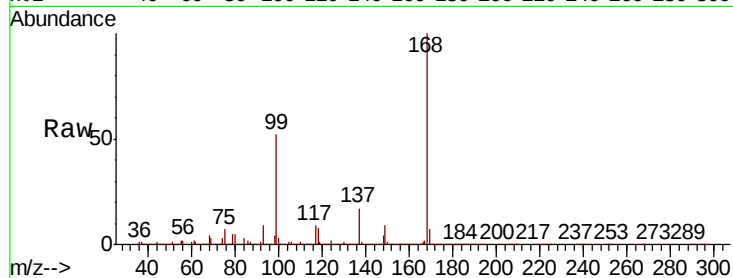
ClientSampleId :

Tot Ion:168 Resp: 446996

Ion Ratio Lower Upper

168 100

99 51.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

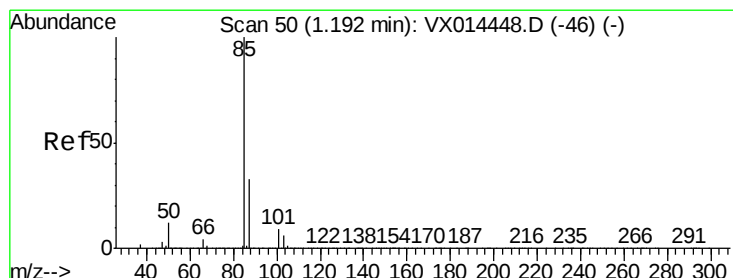
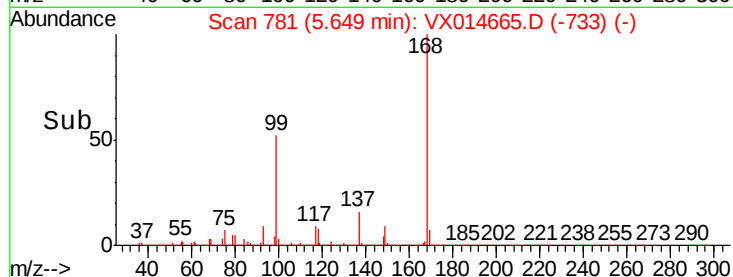
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.318 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014665.D

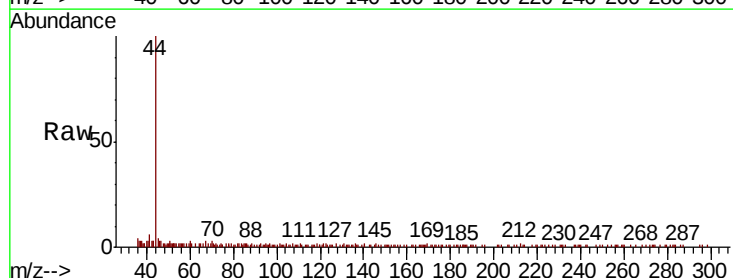
Acq: 20 Jan 2020 10:36

Tgt Ion: 85 Resp: 364

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

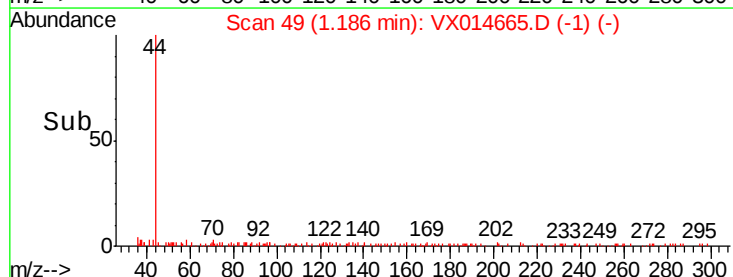
300

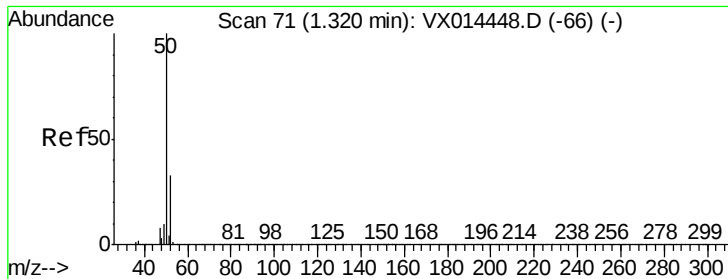
200

100

0

Time-->





#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

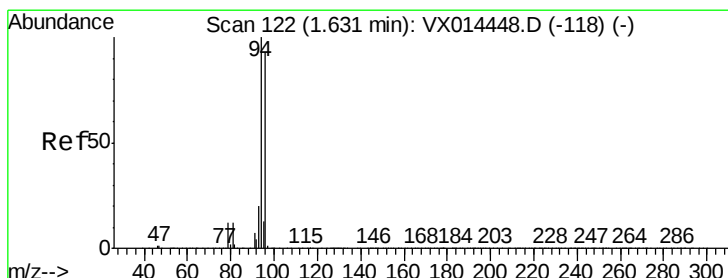
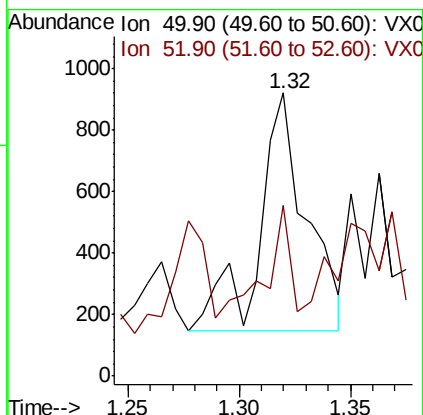
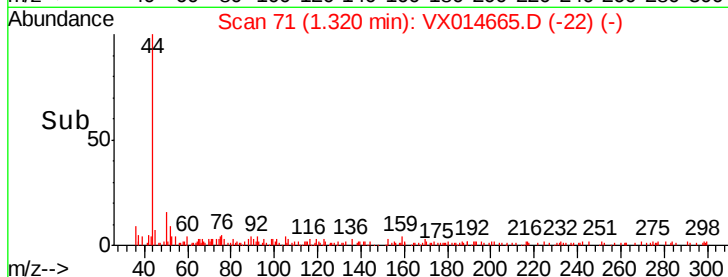
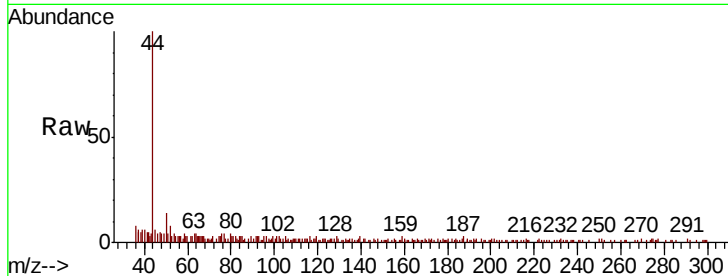
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 1146

Ion Ratio Lower Upper

50 100

52 31.5 26.1 39.1



#5

Bromomethane

Concen: 0.500 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014665.D

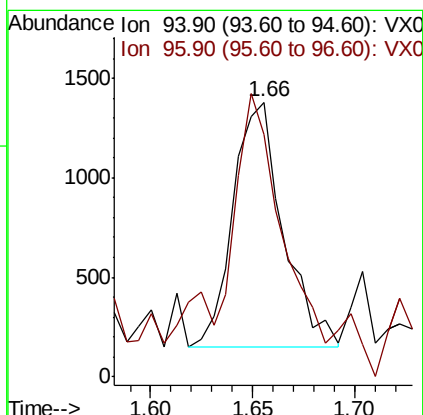
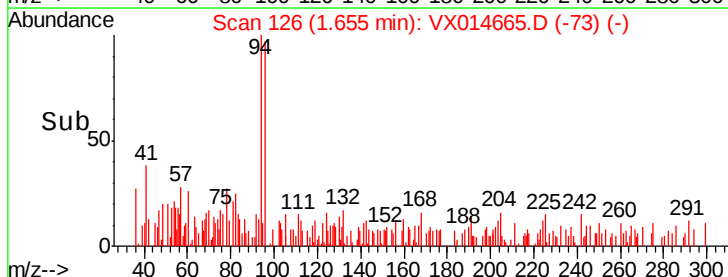
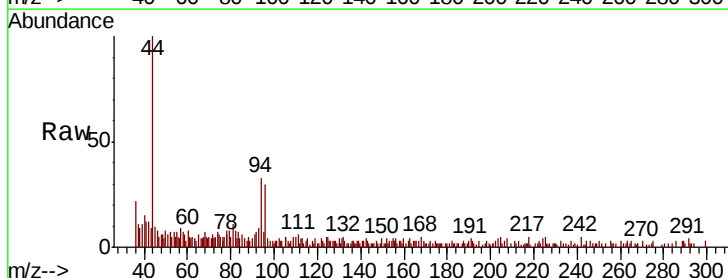
Acq: 20 Jan 2020 10:36

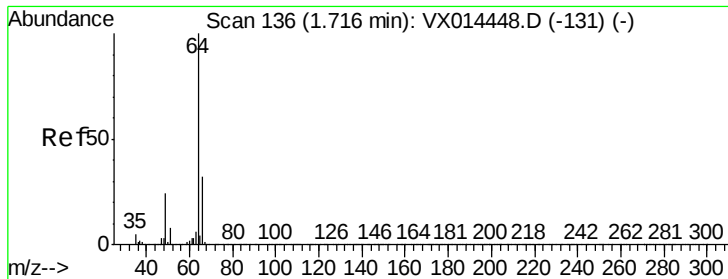
Tgt Ion: 94 Resp: 2106

Ion Ratio Lower Upper

94 100

96 80.2 74.2 111.2





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

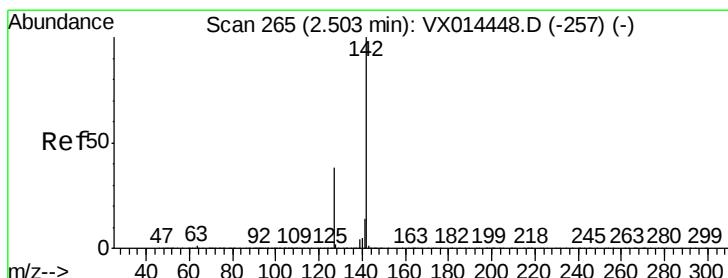
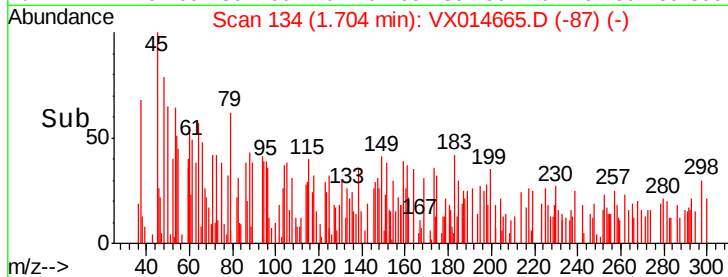
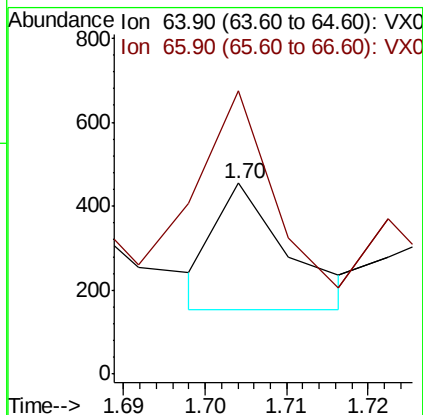
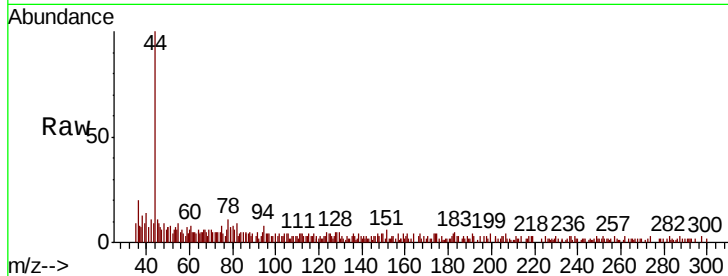
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 64 Resp: 187

Ion Ratio Lower Upper

64 100

66 214.2 25.3 37.9#



#10

Methyl Iodide

Concen: 0.367 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

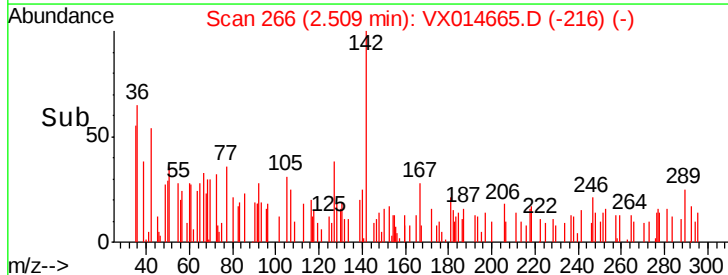
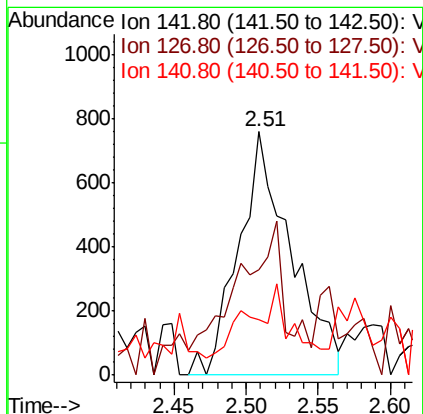
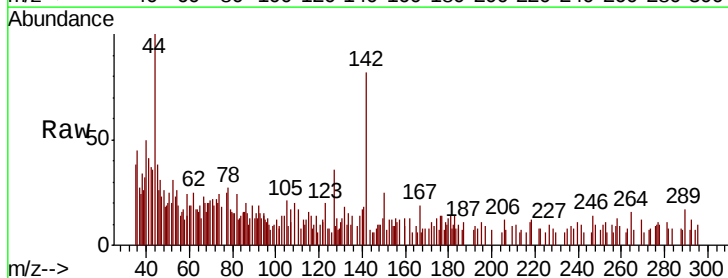
Tgt Ion: 142 Resp: 1926

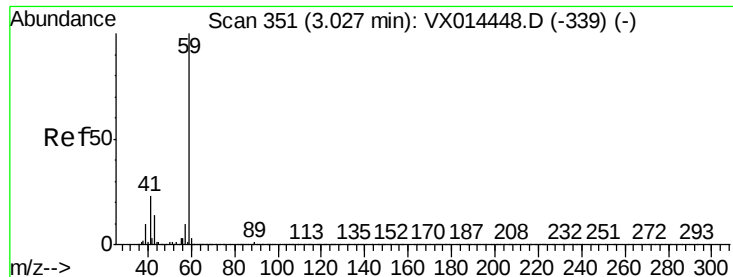
Ion Ratio Lower Upper

142 100

127 39.7 31.2 46.8

141 0.0 11.4 17.2#



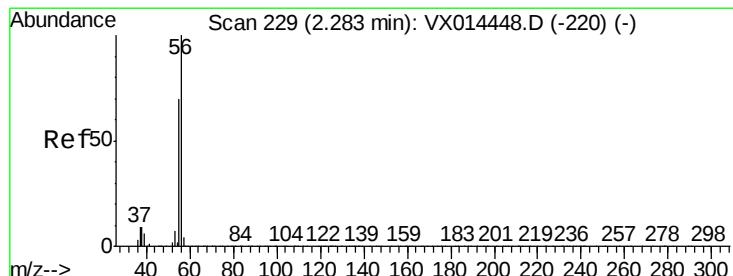
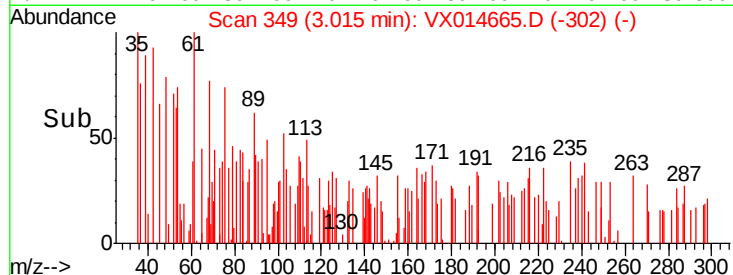
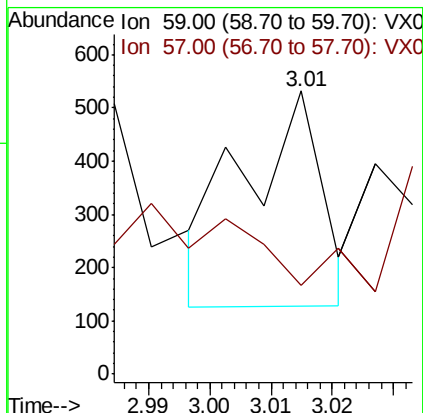
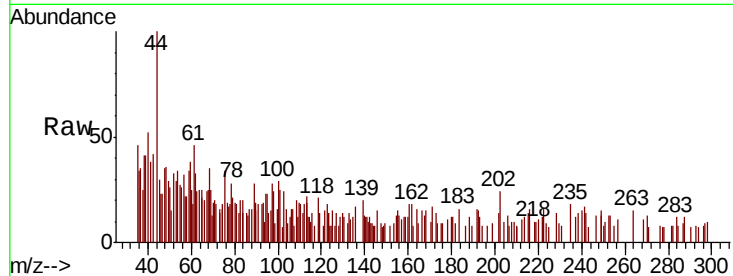


#11

Tert butyl alcohol
Concen: 0.346 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Instrument :
MSVOA_X
ClientSampled :

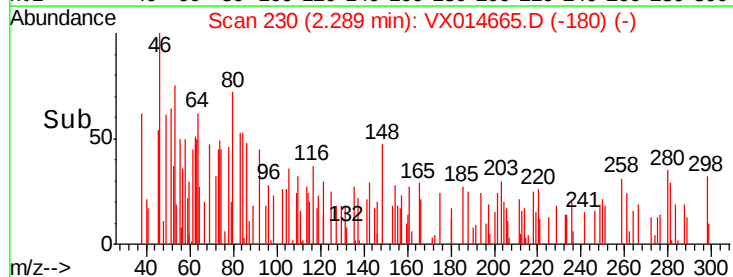
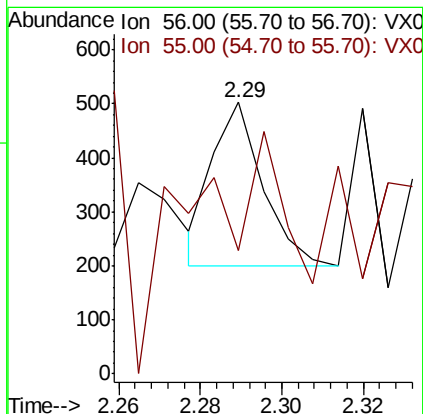
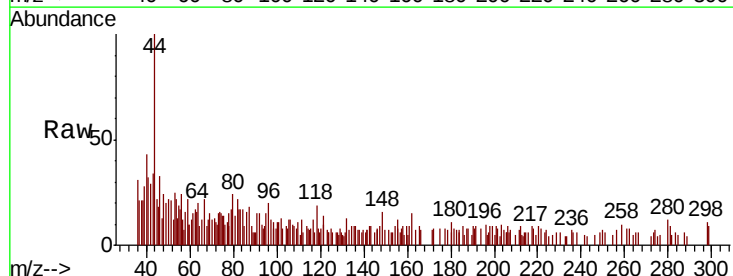
Tot Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

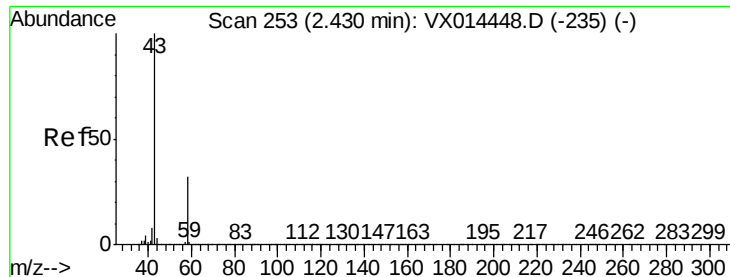


#13

Acrolein
Concen: 0.315 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 171.9 55.0 82.6#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

Instrument :

MSVOA_X

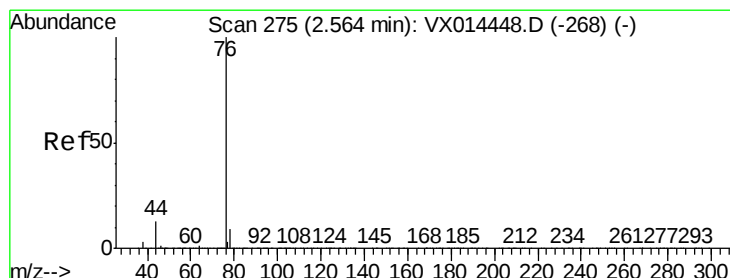
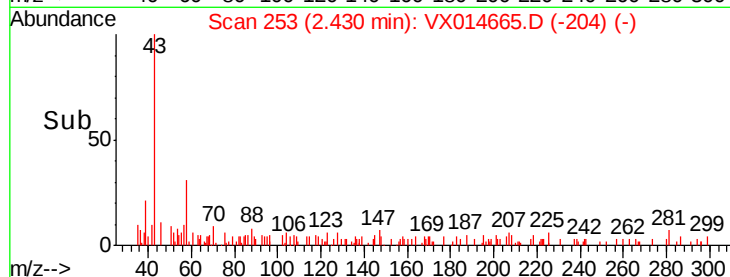
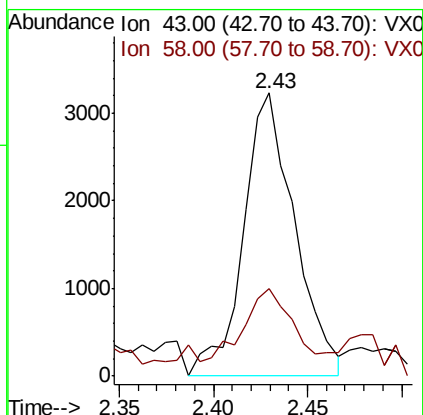
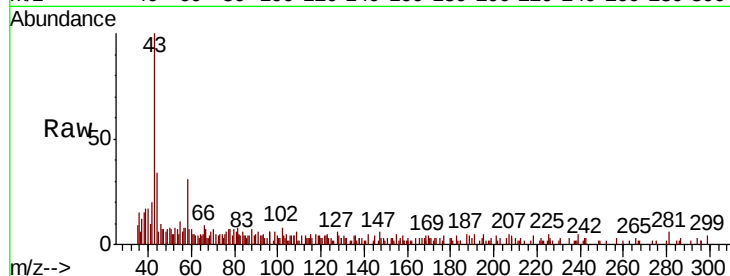
ClientSampleId :

Tot Ion: 43 Resp: 6109

Ion Ratio Lower Upper

43 100

58 22.5 25.4 38.0#



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014665.D

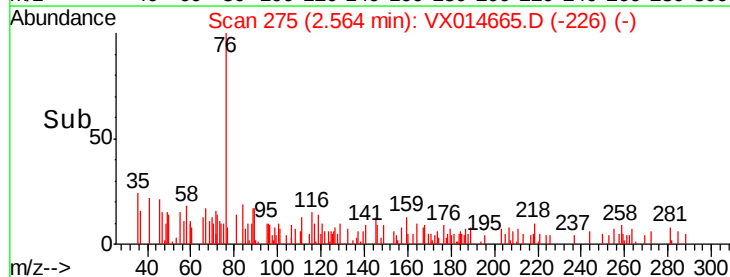
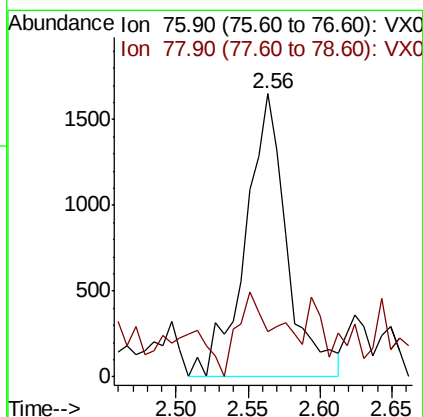
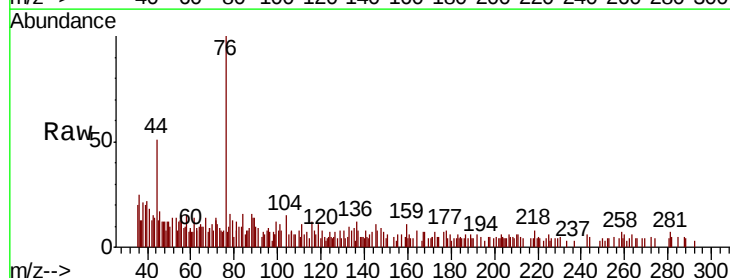
Acq: 20 Jan 2020 10:36

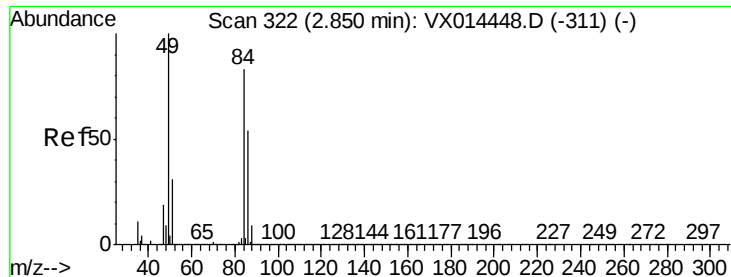
Tgt Ion: 76 Resp: 3293

Ion Ratio Lower Upper

76 100

78 1.3 7.4 11.2#

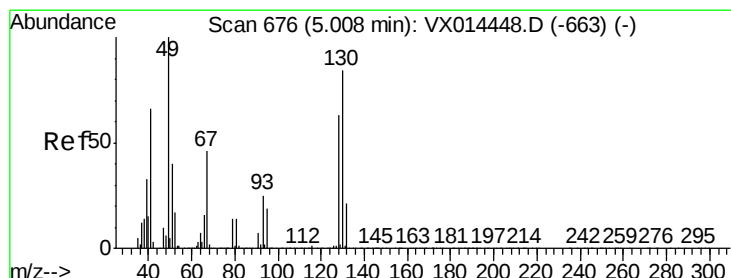
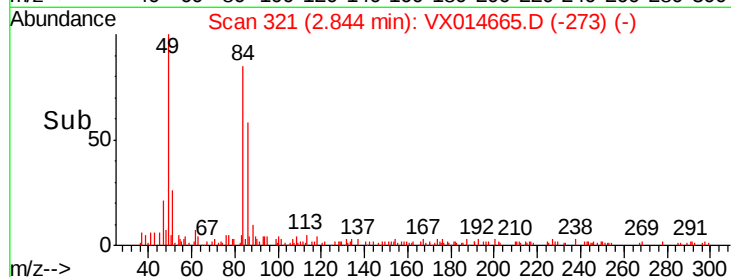
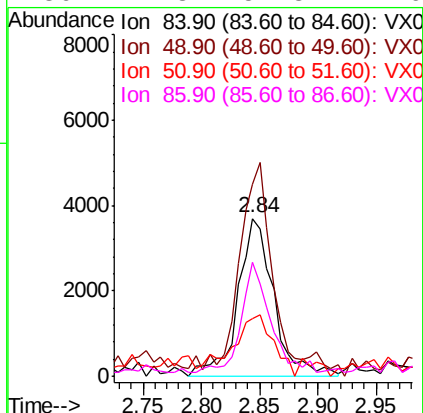
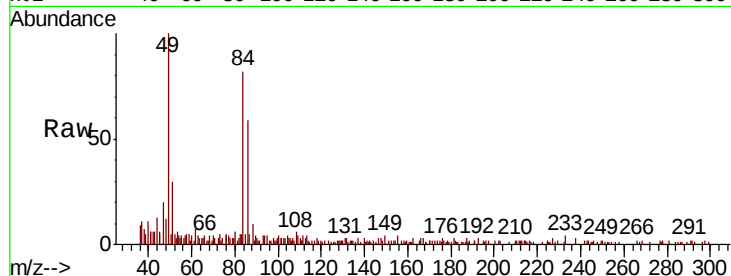




#20
Methvlene Chloride
Concen: 1.591 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

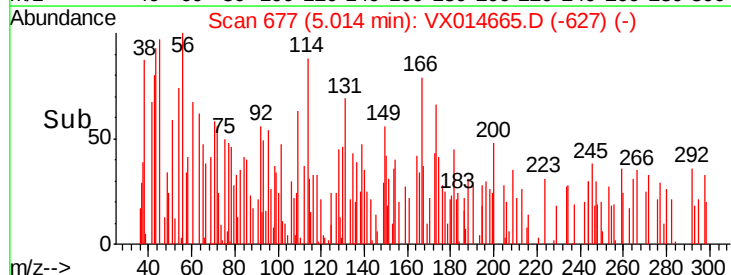
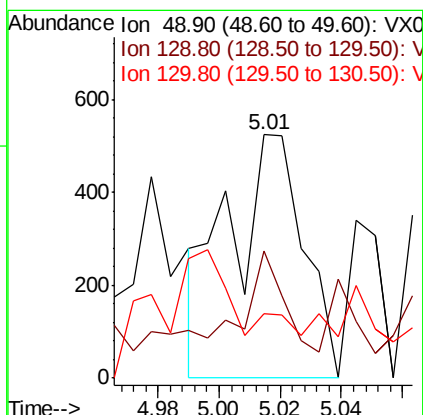
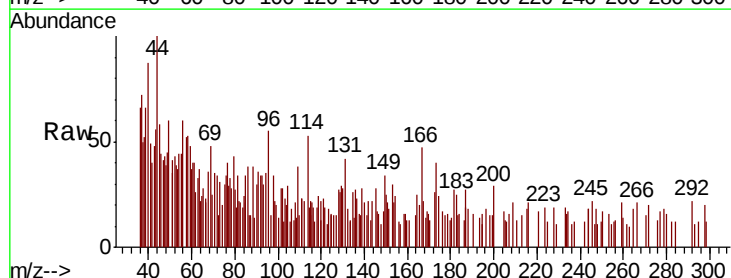
Instrument :
MSVOA_X
ClientSampleId :

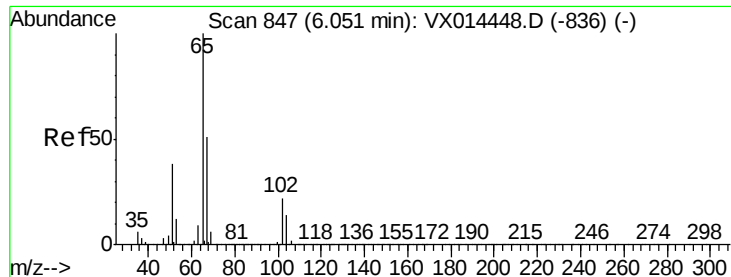
Tot Ion:	84	Resp:	7985
Ion	Ratio	Lower	Upper
84	100		
49	118.8	95.8	143.8
51	25.7	30.2	45.4#
86	71.3	51.8	77.6



#28
Bromochloromethane
Concen: 0.259 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Tgt Ion:	49	Resp:	889
Ion	Ratio	Lower	Upper
49	100		
129	19.9	0.0	4.4#
130	0.0	67.0	100.4#

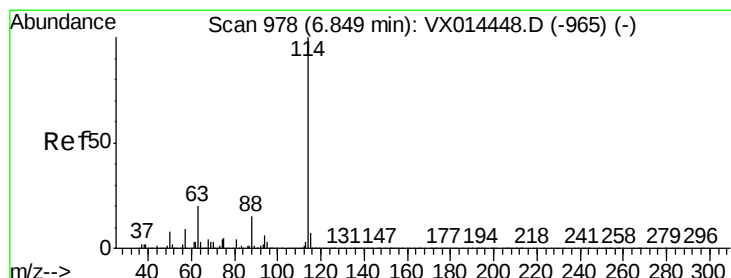
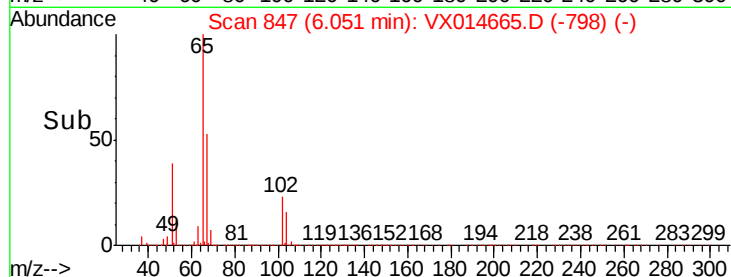
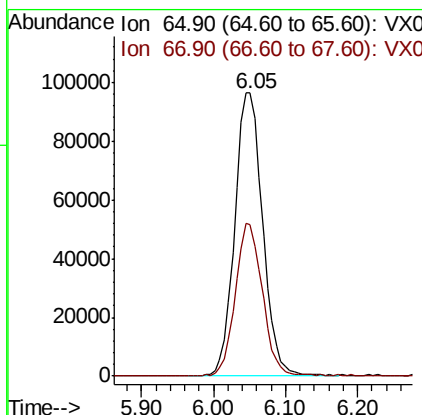
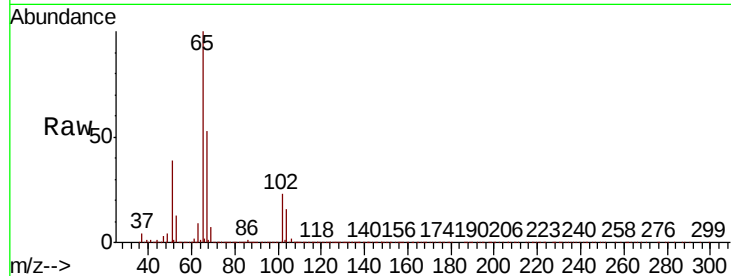




#33
 1,2-Dichloroethane-d4
 Concen: 52.119 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014665.D
 Acq: 20 Jan 2020 10:36

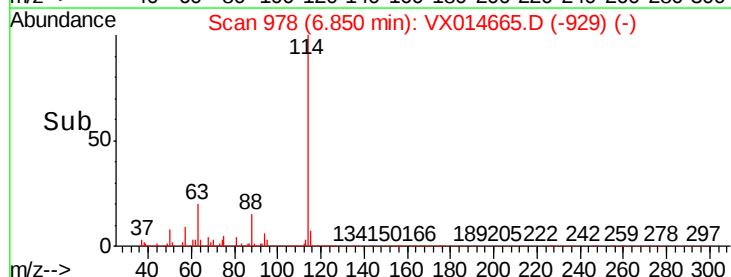
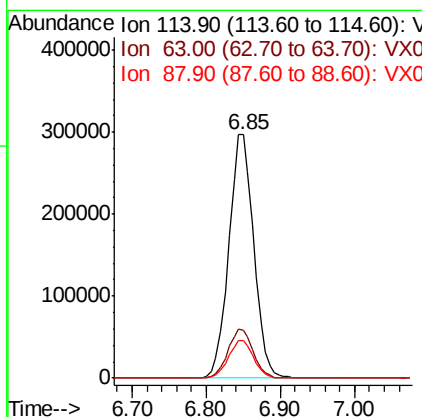
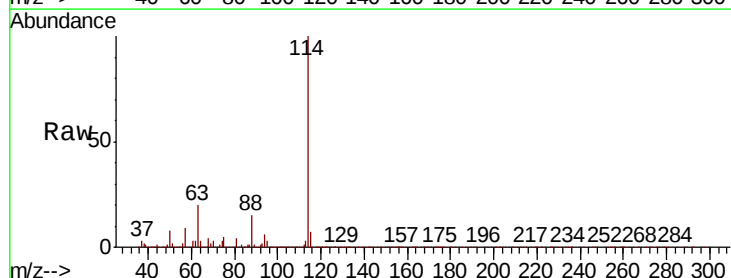
Instrument :
 MSVOA_X
 ClientSampled :

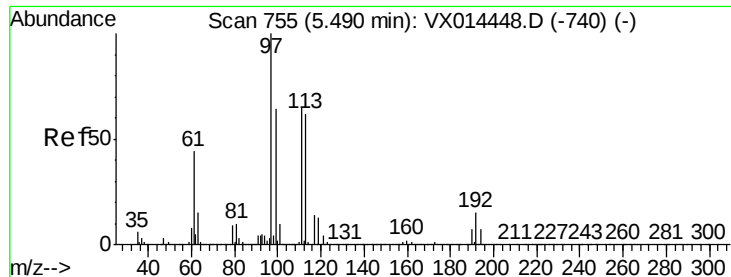
Tot Ion: 65 Resp: 260074
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014665.D
 Acq: 20 Jan 2020 10:36

Tgt Ion: 114 Resp: 696440
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.753 ug/l

RT: 5.48 min Scan# 754

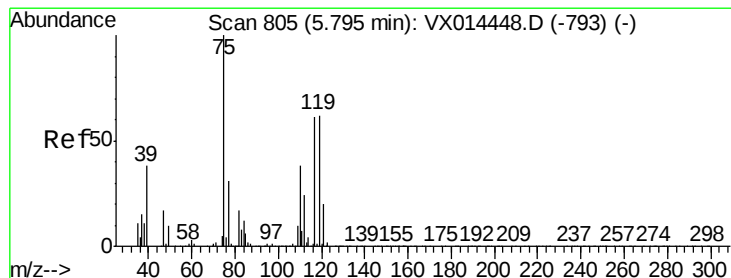
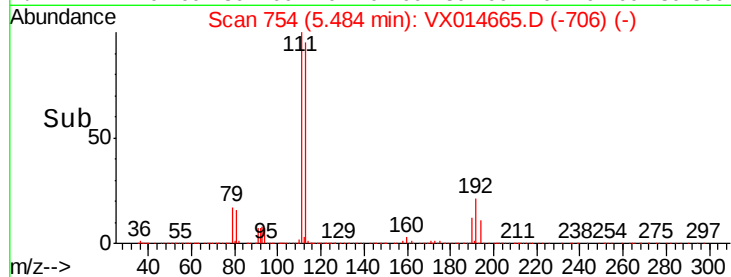
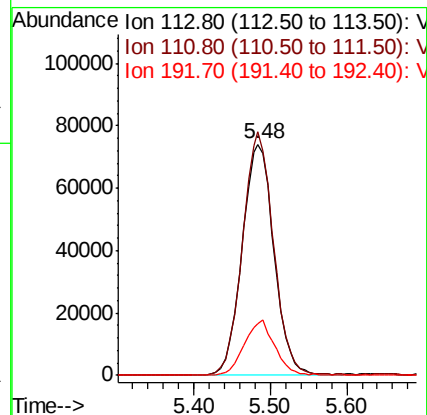
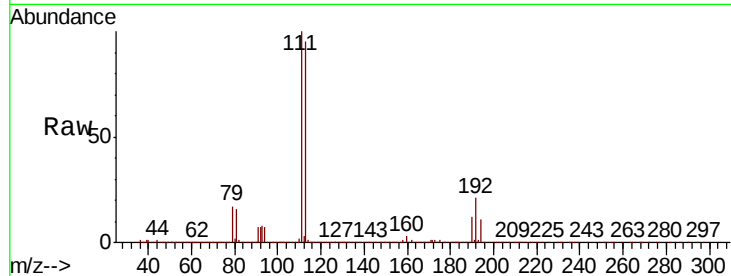
Delta R.T. -0.01 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	213967
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	22.8	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.723 ug/l

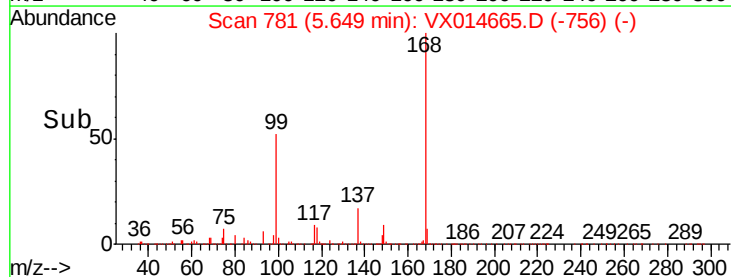
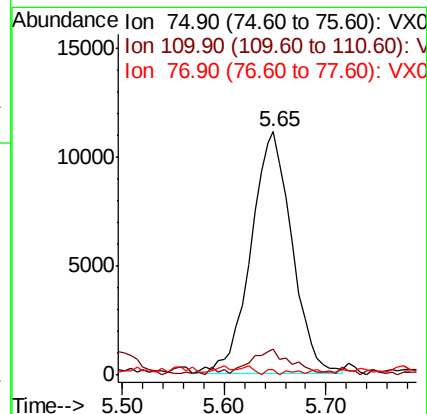
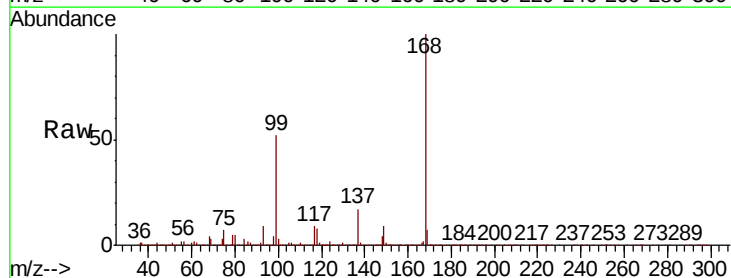
RT: 5.65 min Scan# 781

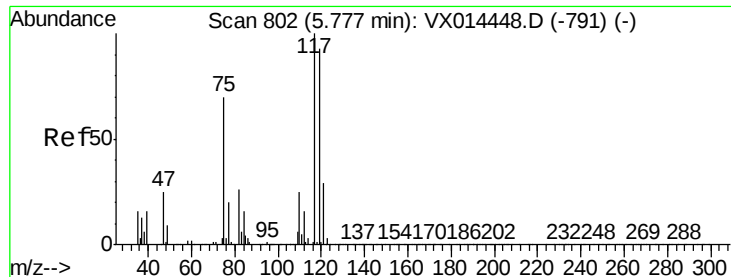
Delta R.T. -0.15 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

Tgt Ion:	75	Resp:	30934
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.6	55.8#
77	0.6	24.5	36.7#

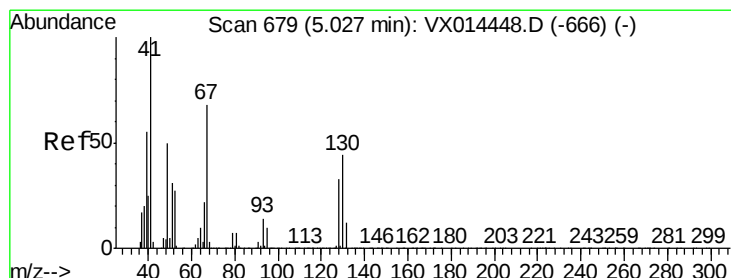
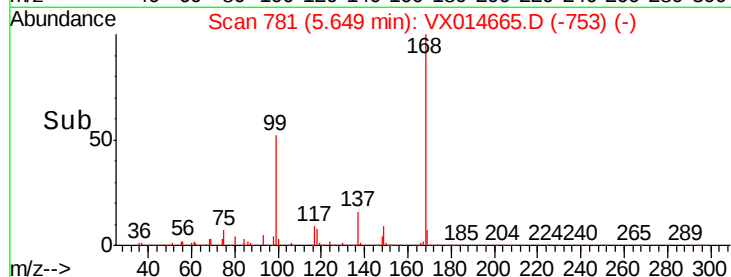
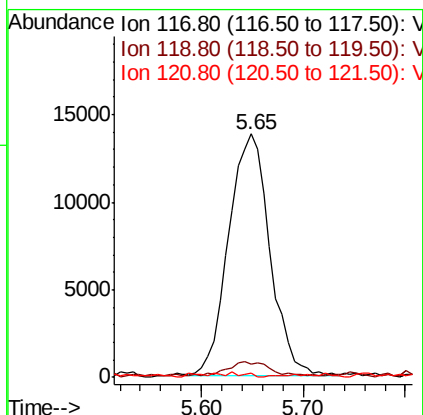
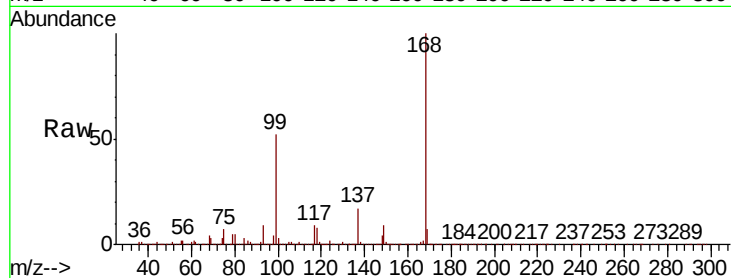




#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

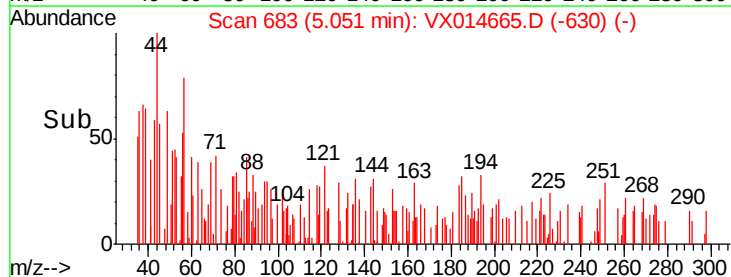
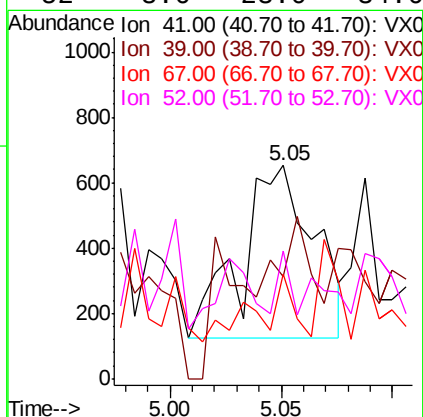
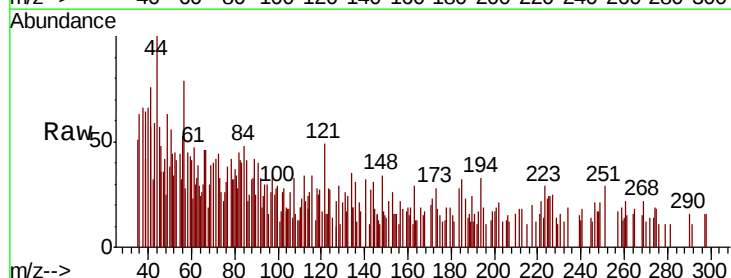
Instrument :
MSVOA_X
ClientSampleId :

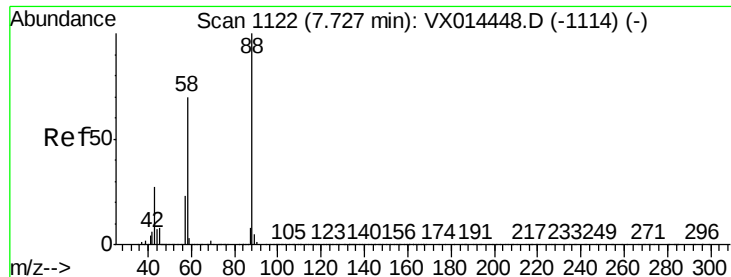
Tot Ion:117 Resp: 38570
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.8 23.4 35.0#



#41
Methacrylonitrile
Concen: 0.314 ug/l
RT: 5.05 min Scan# 683
Delta R.T. 0.02 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Tgt Ion: 41 Resp: 1190
Ion Ratio Lower Upper
41 100
39 34.0 43.6 65.4#
67 20.0 57.9 86.9#
52 8.6 23.0 34.6#

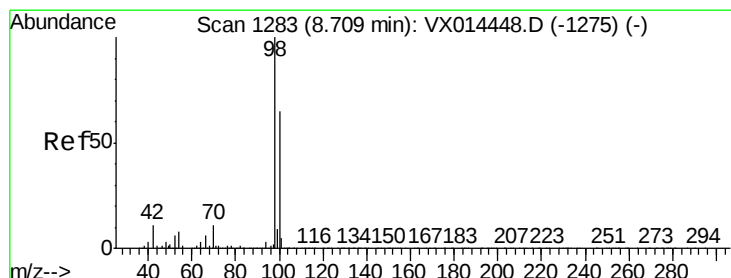
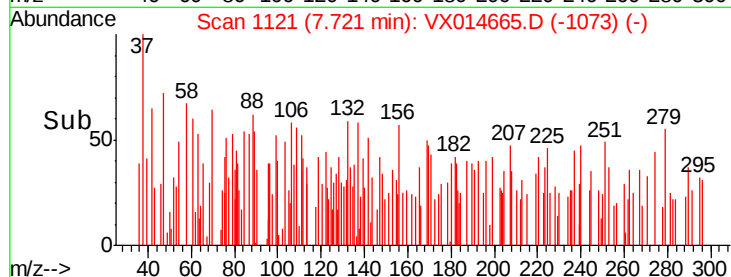
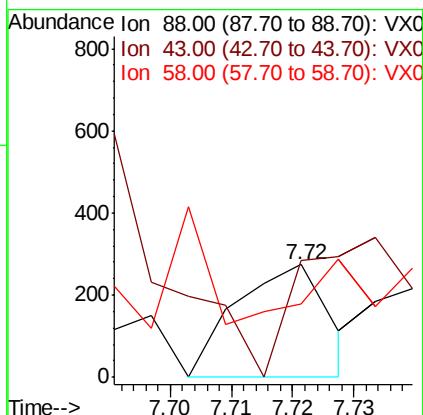
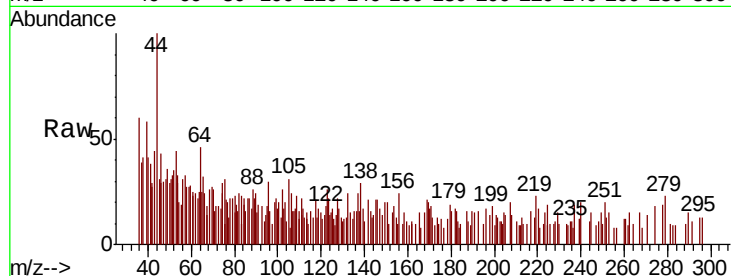




#49
1,4-Dioxane
Concen: 2.452 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

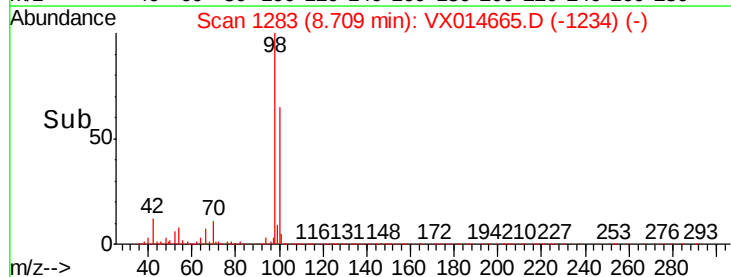
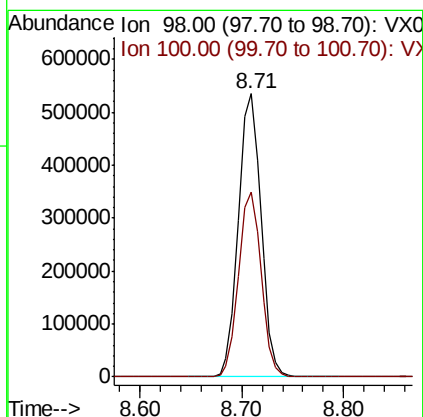
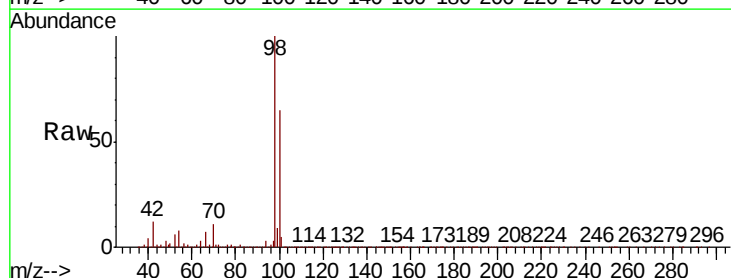
Instrument :
MSVOA_X
ClientSampleId :

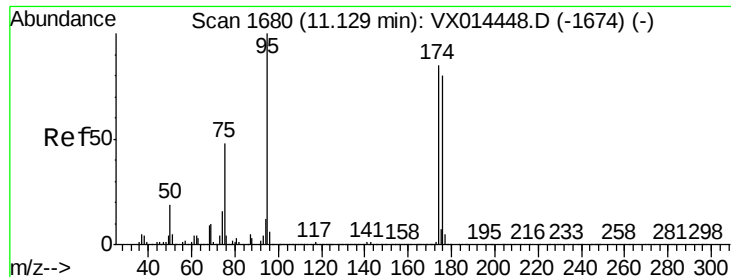
Tot Ion: 88 Resp: 286
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 44.4 57.1 85.7#



#50
Toluene-d8
Concen: 50.220 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Tgt Ion: 98 Resp: 821619
Ion Ratio Lower Upper
98 100
100 65.3 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 45.786 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampleId :

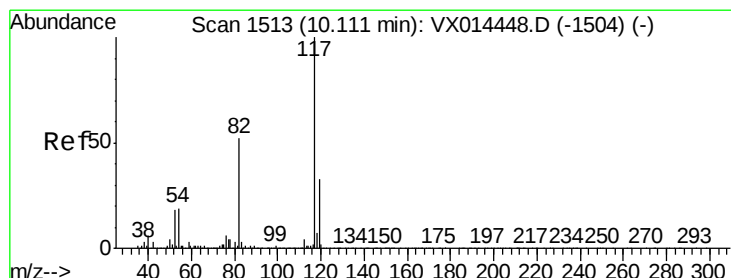
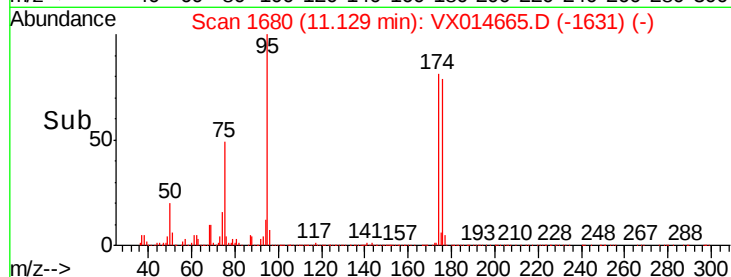
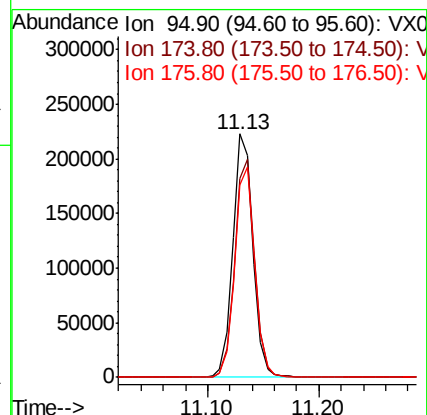
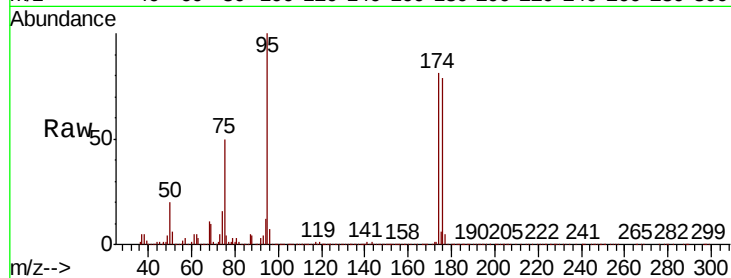
Tot Ion: 95 Resp: 274996

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.8

176 86.6 0.0 172.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

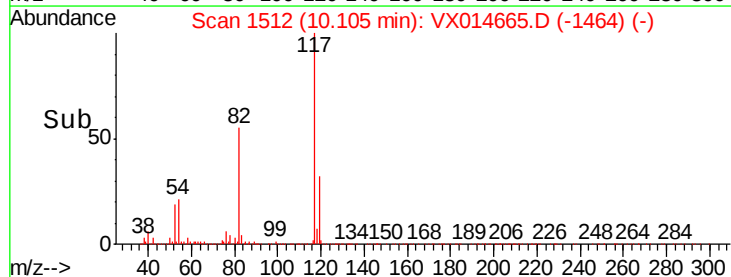
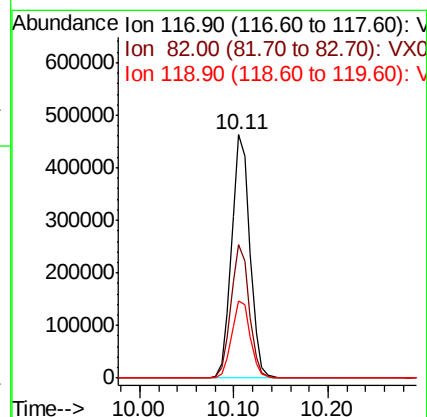
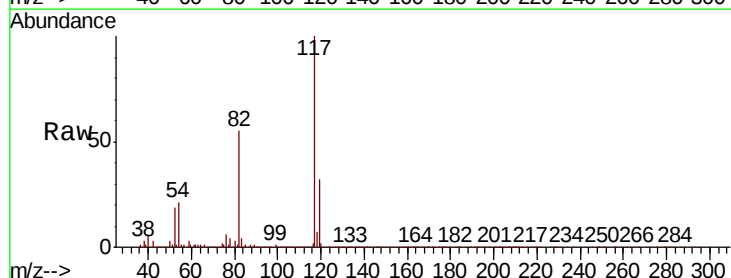
Tgt Ion: 117 Resp: 624037

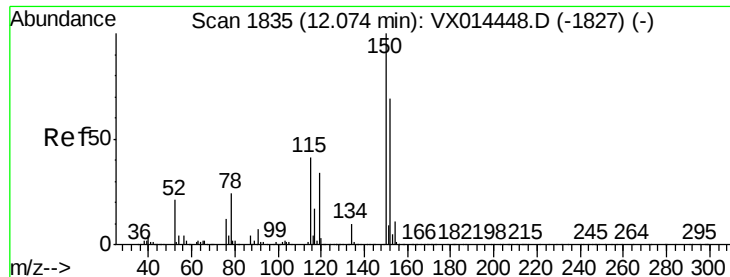
Ion Ratio Lower Upper

117 100

82 54.6 41.8 62.6

119 32.0 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: VX014665.D

Acq: 20 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampleId :

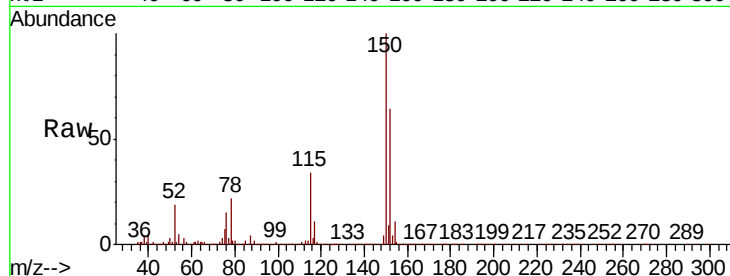
Tot Ion:152 Resp: 277574

Ion Ratio Lower Upper

152 100

115 56.2 39.5 118.3

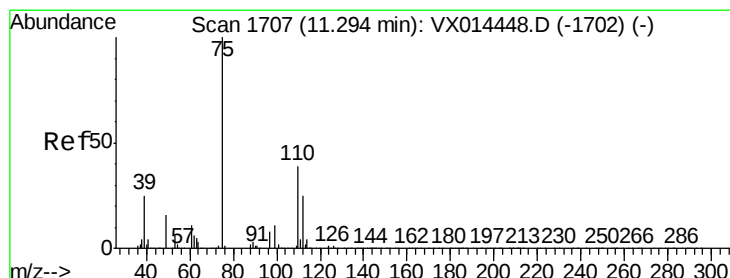
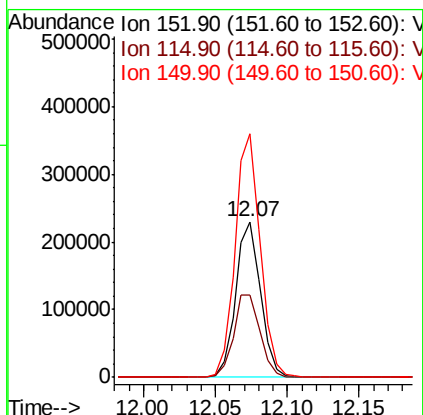
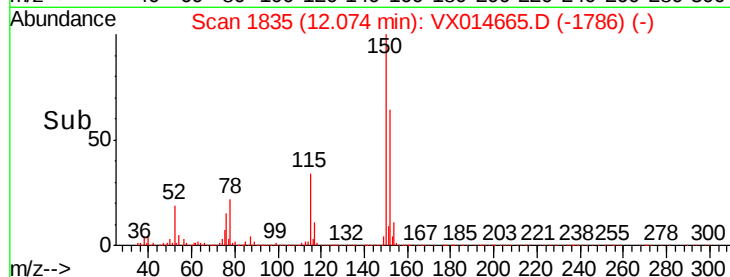
150 157.2 0.0 350.2



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: 23.926 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014665.D

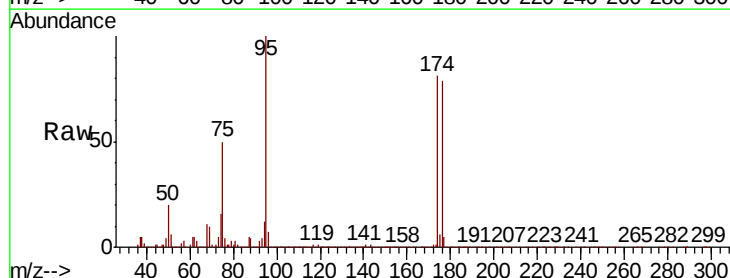
Acq: 20 Jan 2020 10:36

Tgt Ion: 75 Resp: 137410

Ion Ratio Lower Upper

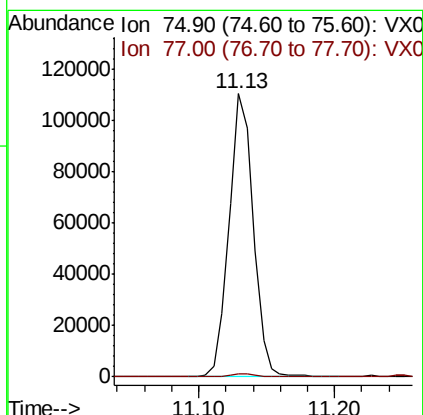
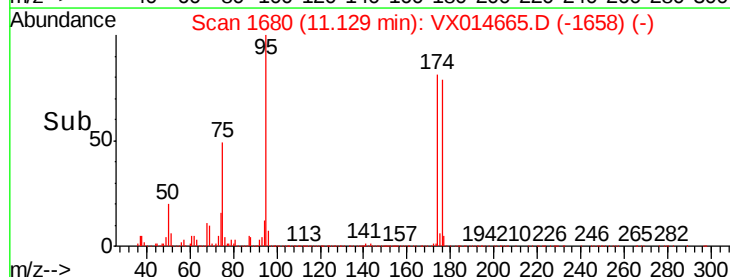
75 100

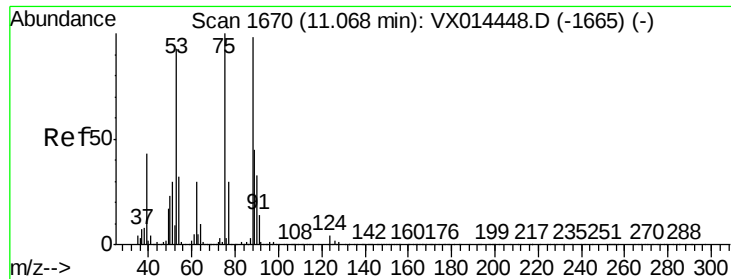
77 1.4 21.9 65.7#



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: 63.257 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampled :

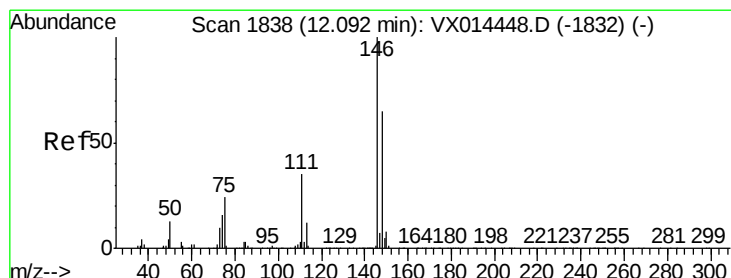
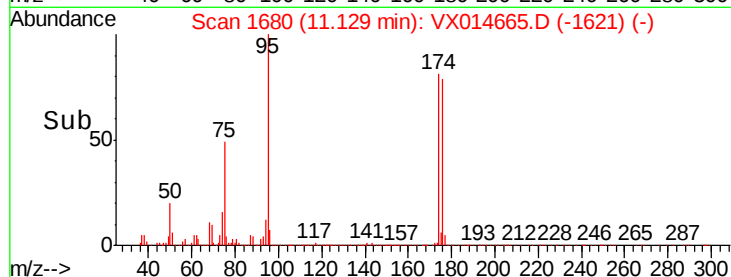
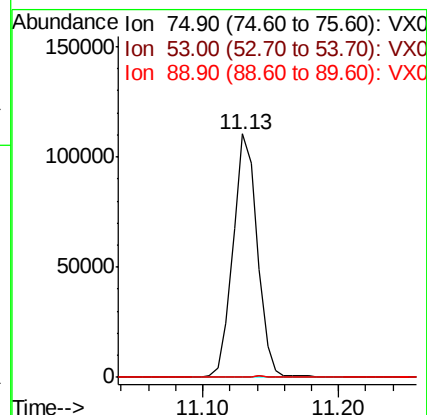
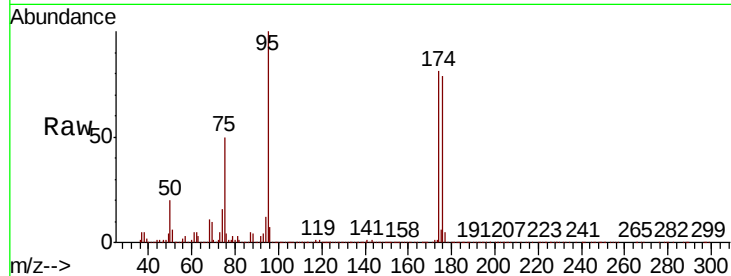
Tot Ion: 75 Resp: 137410

Ion Ratio Lower Upper

75 100

53 0.2 74.8 112.2#

89 0.3 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.03 min Scan# 1827

Delta R.T. -0.07 min

Lab File: VX014665.D

Acq: 20 Jan 2020 10:36

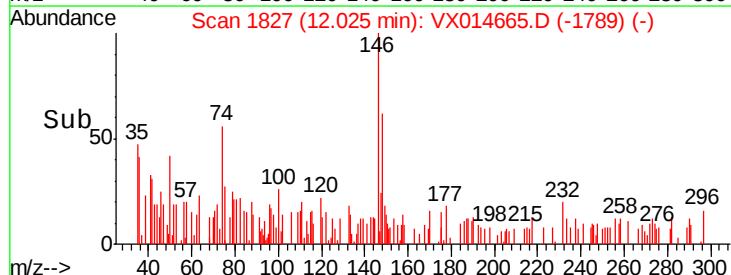
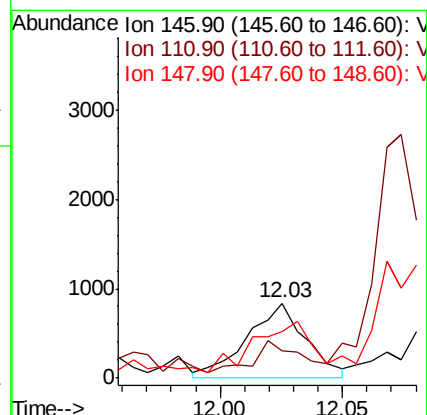
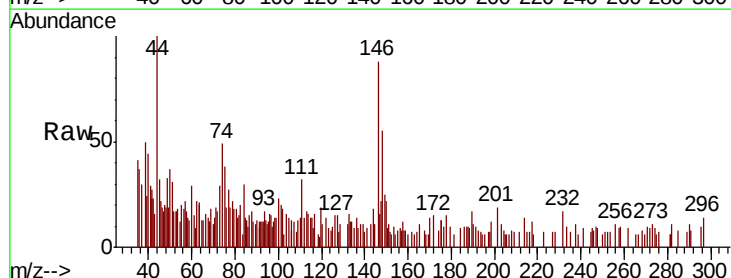
Tgt Ion: 146 Resp: 1390

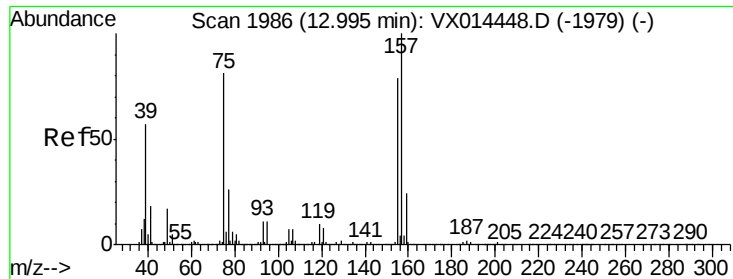
Ion Ratio Lower Upper

146 100

111 32.7 18.1 54.1

148 80.0 32.1 96.3

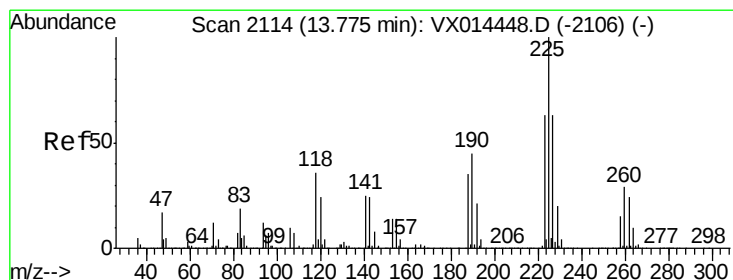
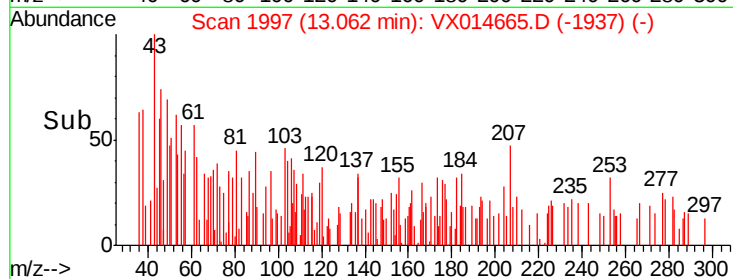
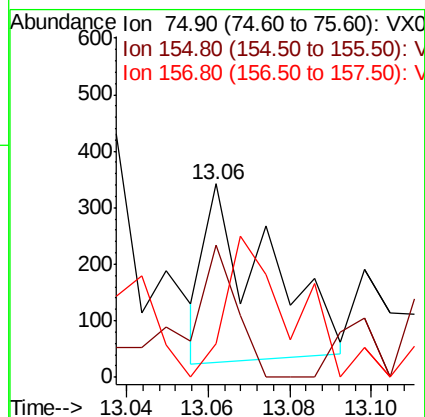
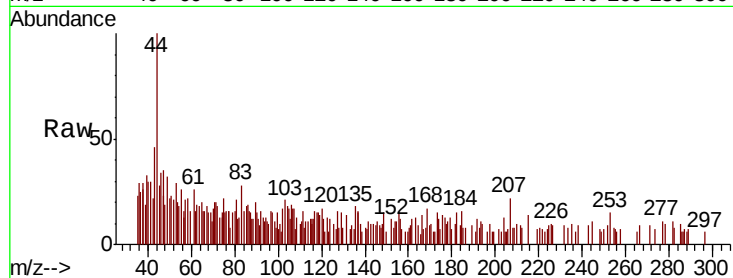




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.238 ug/l
RT: 13.06 min Scan# 1997
Delta R.T. 0.07 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 334
Ion Ratio Lower Upper
75 100
155 54.5 48.7 146.1
157 84.7 62.0 185.9



#94
Hexachlorobutadiene
Concen: 0.214 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014665.D
Acq: 20 Jan 2020 10:36

Tgt Ion: 225 Resp: 478
Ion Ratio Lower Upper
225 100
223 120.9 31.1 93.2#
227 62.1 31.4 94.2

