

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011420\
 Data File : VX014597.D
 Acq On : 14 Jan 2020 10:36
 Operator : JC/SP
 Sample : VX0114WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0114WBL01

Quant Time: Jan 14 23:31:24 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	466333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	724275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	657374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	264822	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	5.48	113	221389	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	8.71	98	851937	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	290372	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

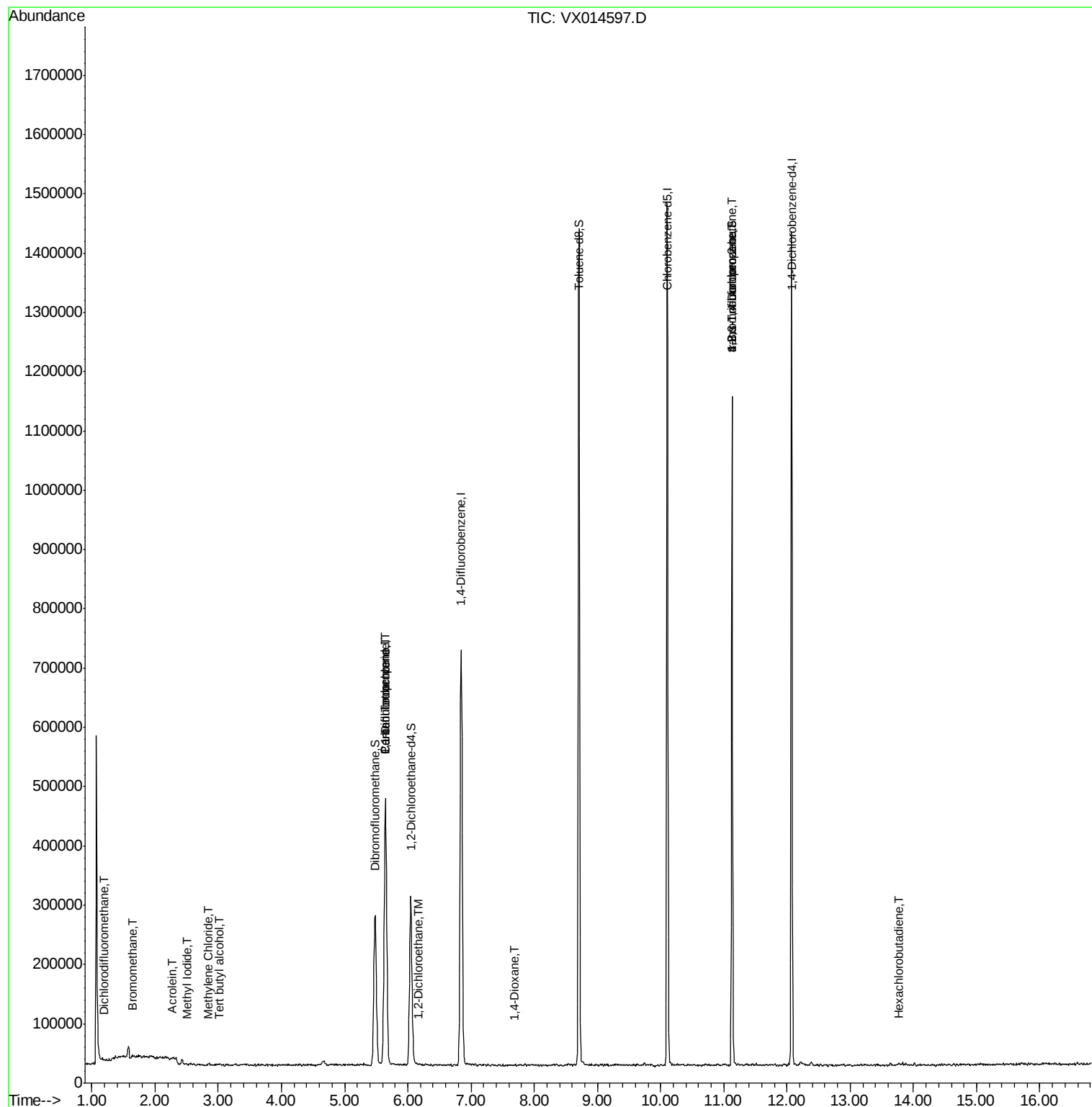
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	515	0.341	ug/l #	42
5) Bromomethane	1.65	94	1780	0.405	ug/l	85
6) Chloroethane	1.72	64	1203	Below Cal	#	48
10) Methyl Iodide	2.51	142	1609	0.294	ug/l #	82
11) Tert butyl alcohol	3.03	59	921	0.847	ug/l #	66
13) Acrolein	2.28	56	422	0.484	ug/l #	15
16) Acetone	2.42	43	8730	Below Cal		95
20) Methylene Chloride	2.84	84	1663	0.318	ug/l #	71
36) 1,1-Dichloropropene	5.64	75	31520	4.628	ug/l #	52
38) Carbon Tetrachloride	5.65	117	40146	6.405	ug/l #	17
42) 1,2-Dichloroethane	6.17	62	1534	0.217	ug/l	95
49) 1,4-Dioxane	7.68	88	247	2.036	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	142420	23.218	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	142420	61.384	ug/l #	12
88) 1,4-Dichlorobenzene	12.02	146	1336	Below Cal		84
94) Hexachlorobutadiene	13.78	225	605	0.242	ug/l #	62
96) 1,2,3-Trichlorobenzene	14.01	180	1433	Below Cal	#	81

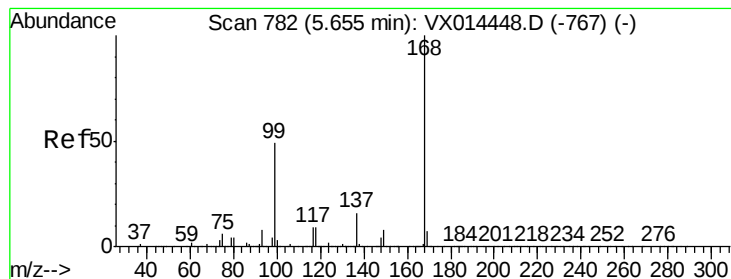
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011420\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0114WBL01

Quant Time: Jan 14 23:31:24 2020
Quant Method : Z:\V0ASRV\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: VX014597.D

Acq: 14 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampleId :

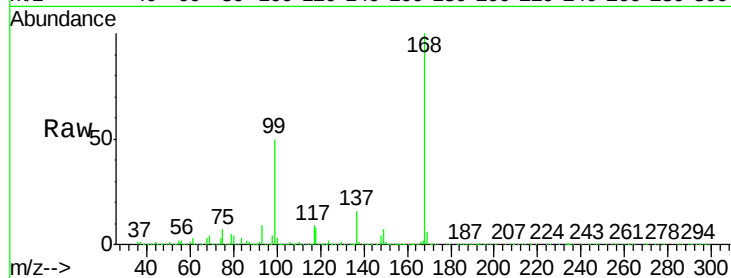
VX0114WBL01

Tgt Ion: 168 Resp: 466333

Ion Ratio Lower Upper

168 100

99 50.1 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

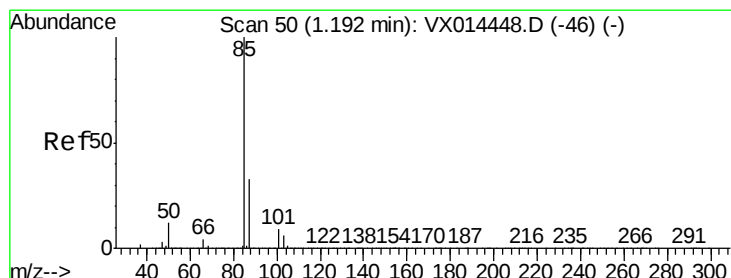
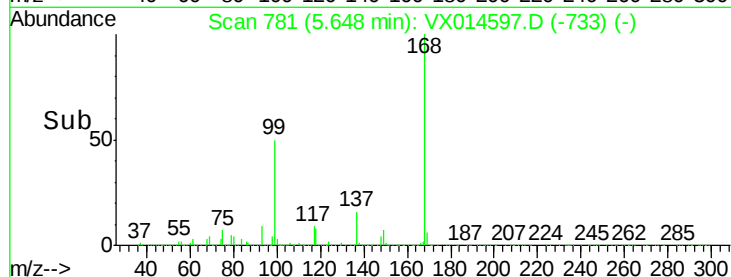
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.341 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014597.D

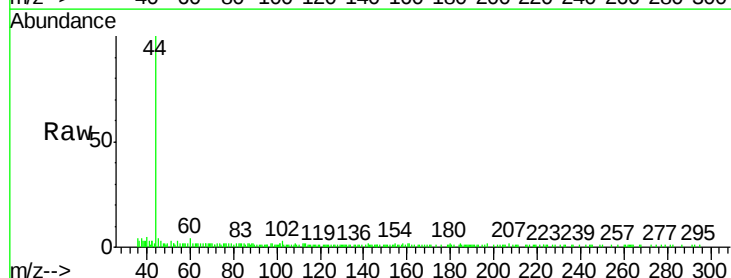
Acq: 14 Jan 2020 10:36

Tgt Ion: 85 Resp: 515

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

1.20

400

300

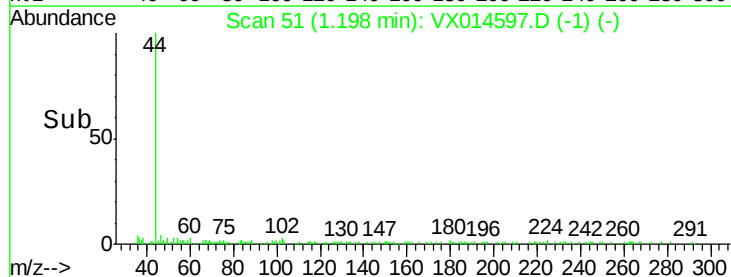
200

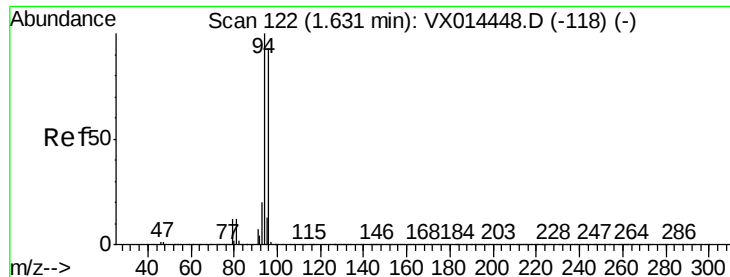
100

0

Time-->

1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: 0.405 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampleId :

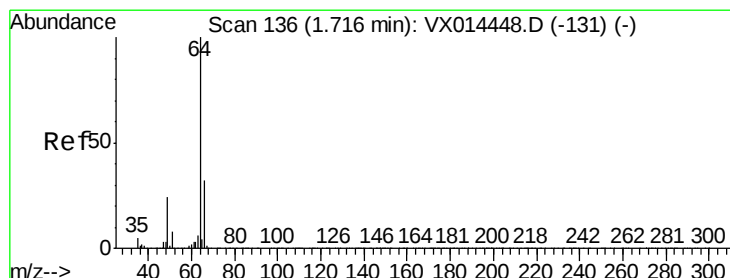
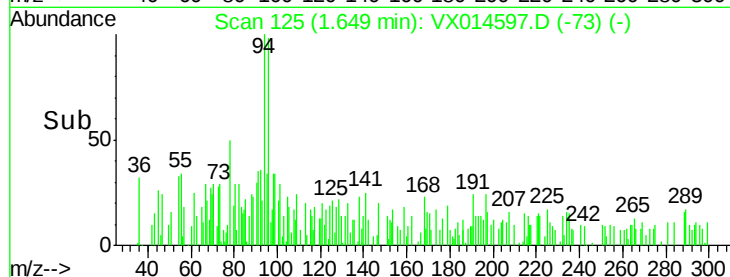
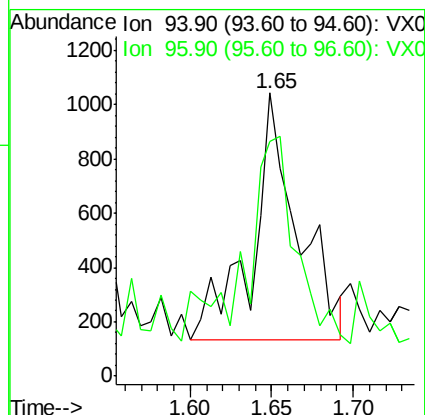
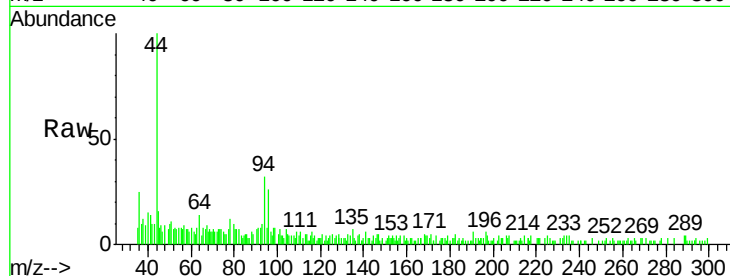
VX0114WBL01

Tgt Ion: 94 Resp: 1780

Ion Ratio Lower Upper

94 100

96 78.4 74.2 111.2



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014597.D

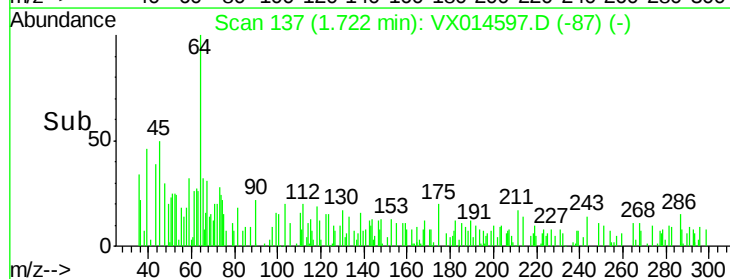
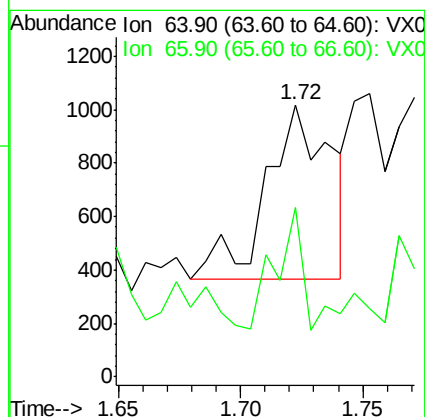
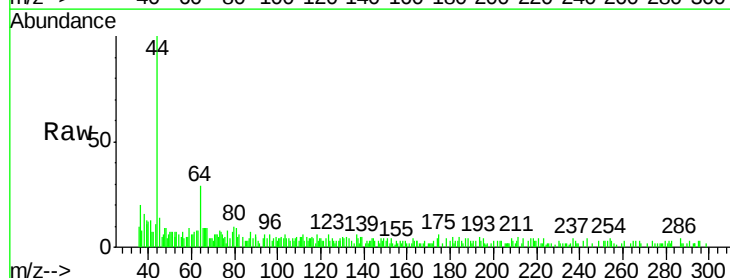
Acq: 14 Jan 2020 10:36

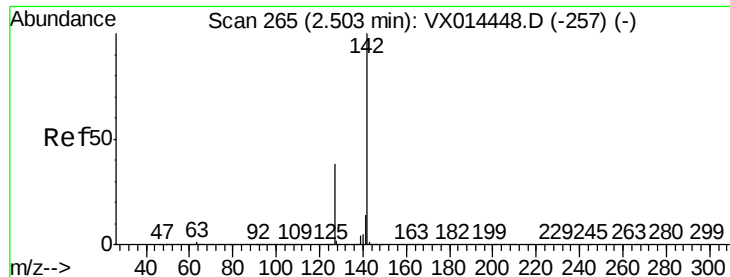
Tgt Ion: 64 Resp: 1203

Ion Ratio Lower Upper

64 100

66 60.4 25.3 37.9#

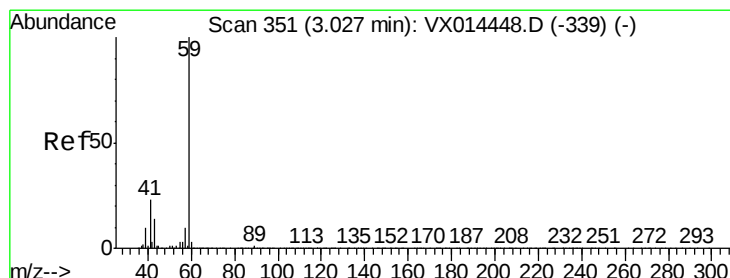
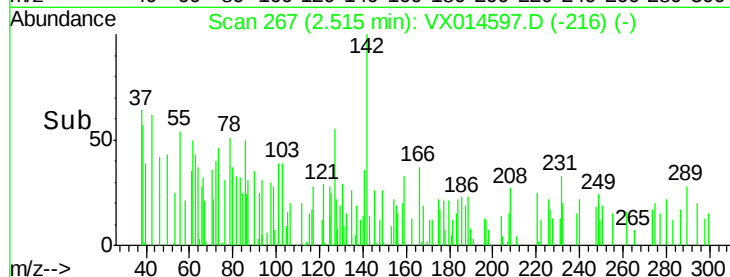
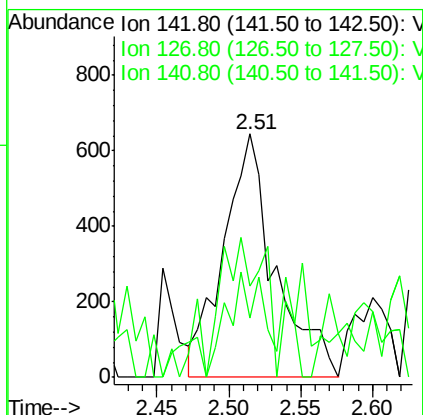
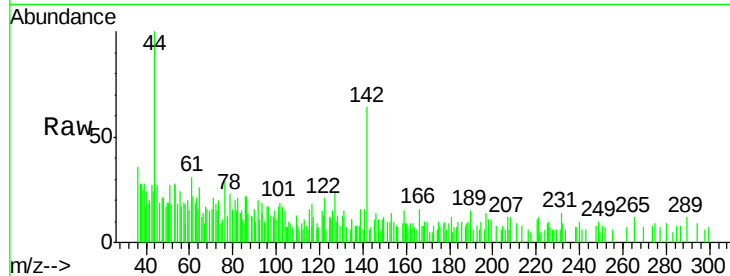




#10
Methyl Iodide
Concen: 0.294 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014597.D
Acq: 14 Jan 2020 10:36

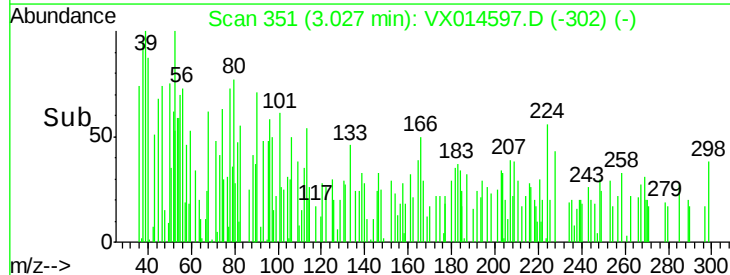
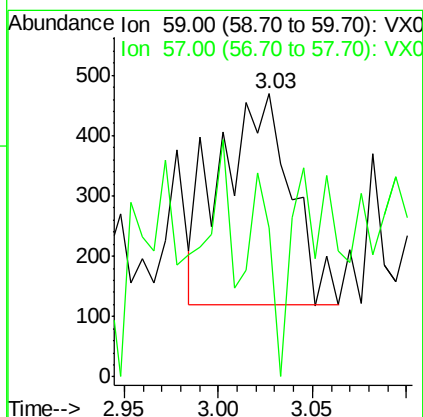
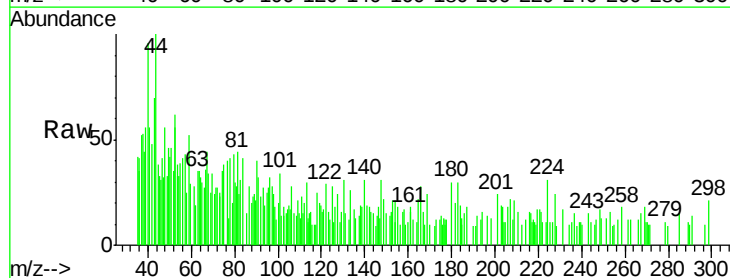
Instrument :
MSVOA_X
ClientSampleId :
VX0114WBL01

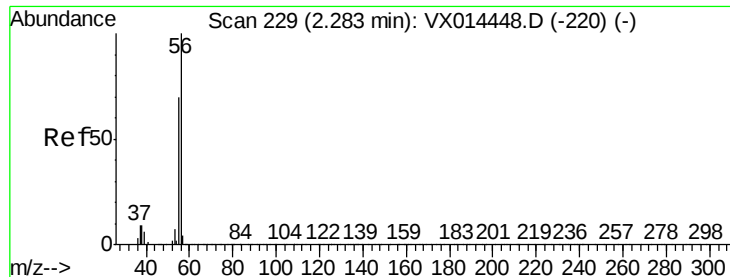
Tgt Ion: 142 Resp: 1609
Ion Ratio Lower Upper
142 100
127 45.6 31.2 46.8
141 29.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.847 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014597.D
Acq: 14 Jan 2020 10:36

Tgt Ion: 59 Resp: 921
Ion Ratio Lower Upper
59 100
57 23.2 8.5 12.7#





#13

Acrolein

Concen: 0.484 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampleId :

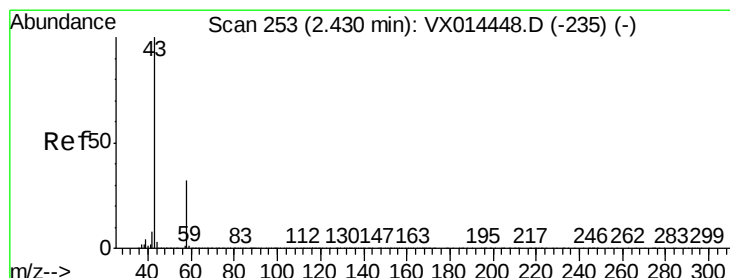
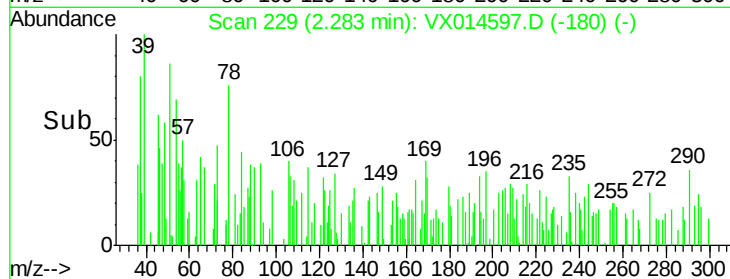
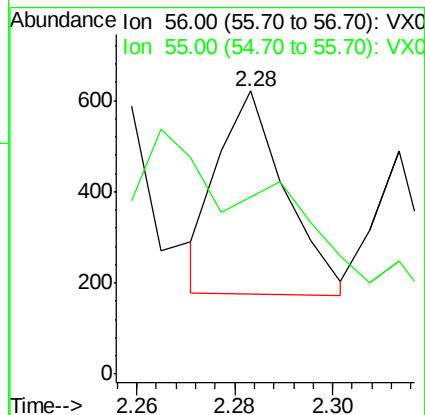
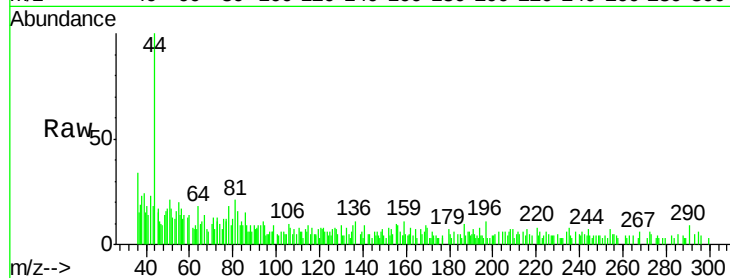
VX0114WBL01

Tgt Ion: 56 Resp: 422

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX014597.D

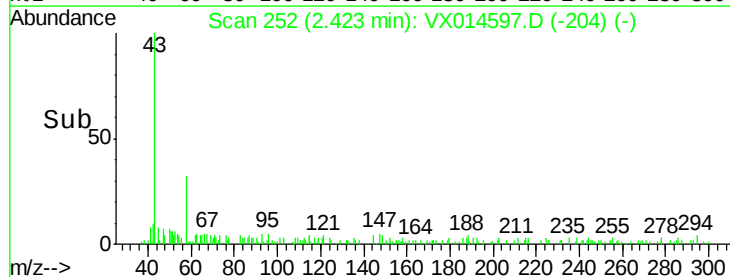
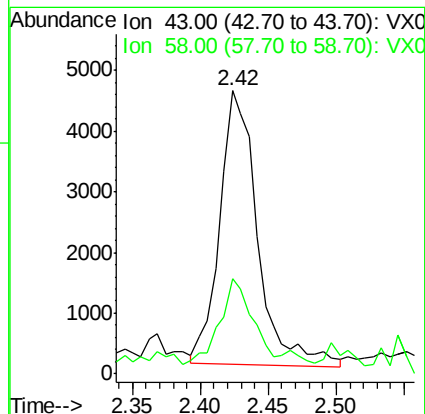
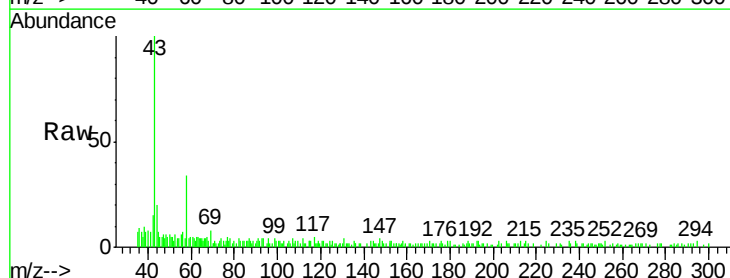
Acq: 14 Jan 2020 10:36

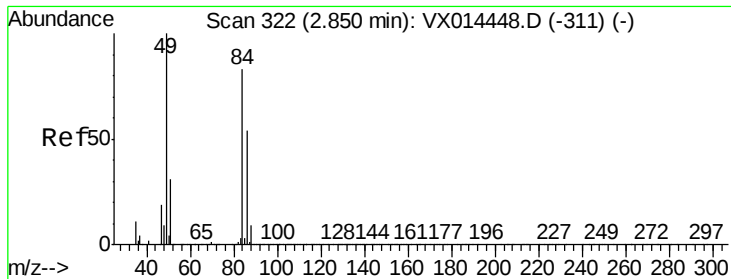
Tgt Ion: 43 Resp: 8730

Ion Ratio Lower Upper

43 100

58 28.8 25.4 38.0

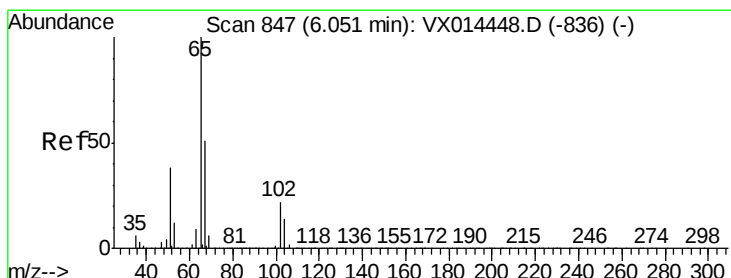
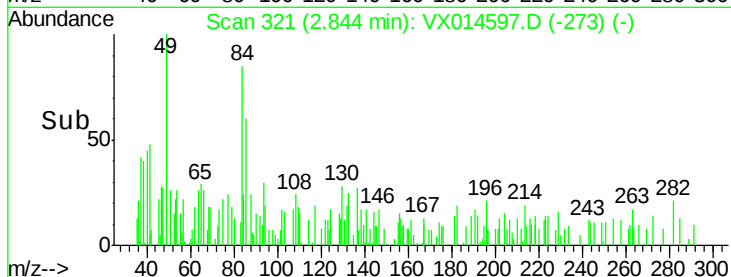
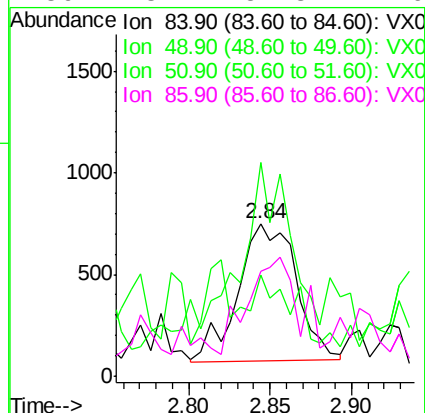
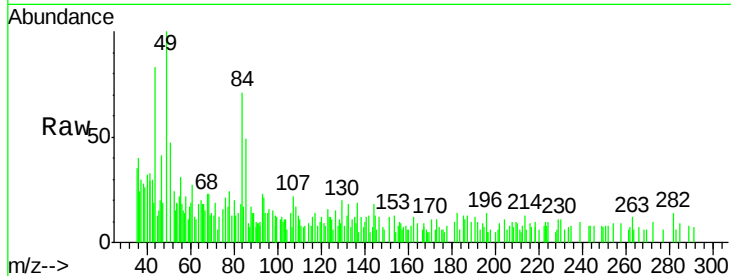




#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014597.D
Acq: 14 Jan 2020 10:36

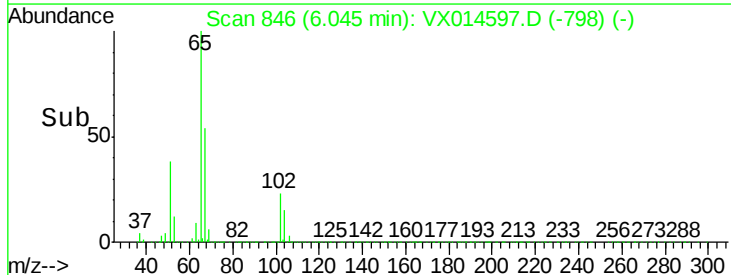
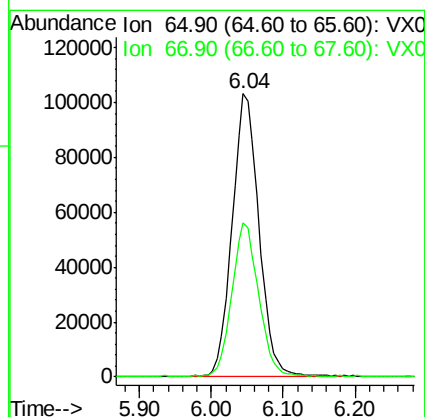
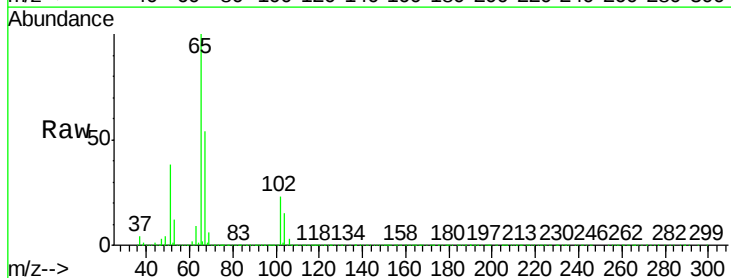
Instrument :
MSVOA_X
ClientSampleId :
VX0114WBL01

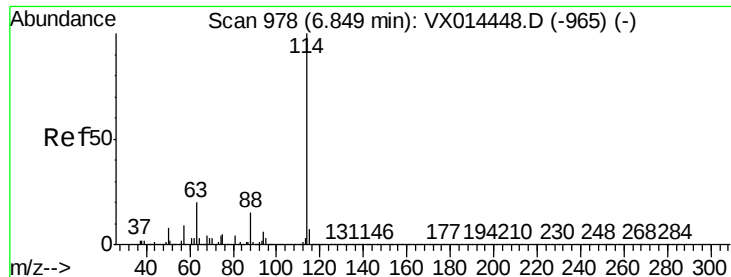
Tgt Ion: 84 Resp: 1663
Ion Ratio Lower Upper
84 100
49 79.5 95.8 143.8#
51 41.7 30.2 45.4
86 43.4 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 50.870 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014597.D
Acq: 14 Jan 2020 10:36

Tgt Ion: 65 Resp: 264822
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

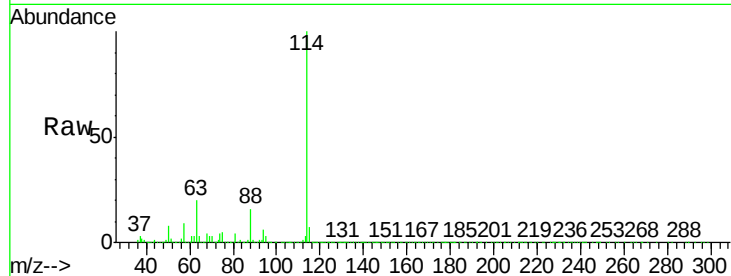
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MSVOA_X

ClientSampleId :

VX0114WBL01

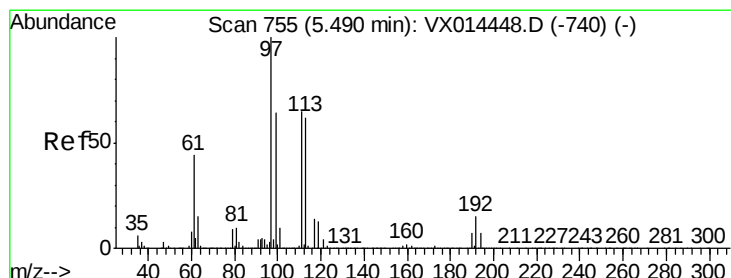
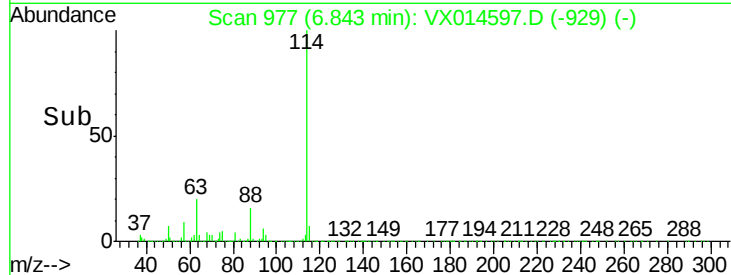
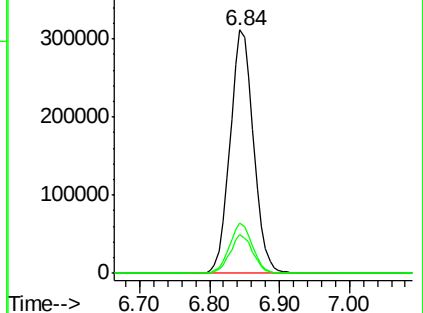
Tgt Ion:	114	Resp:	724275
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	15.9	0.0	30.8



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: 50.495 ug/l

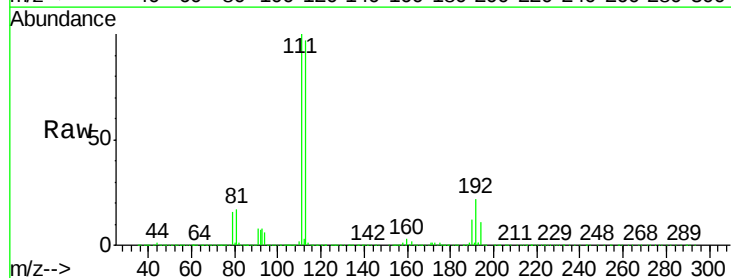
RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

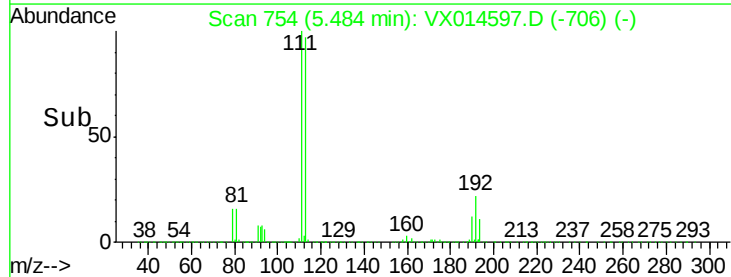
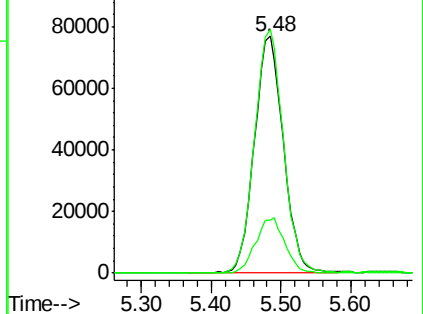
Tgt Ion:	113	Resp:	221389
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	23.7	19.2	28.8

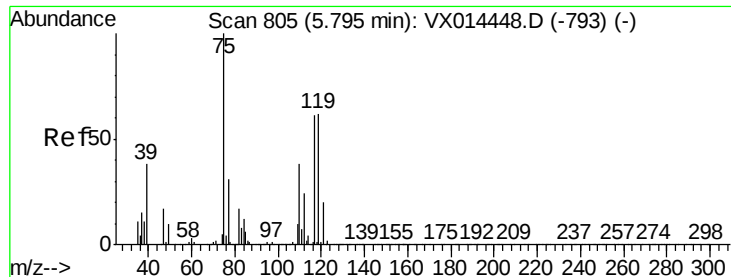


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

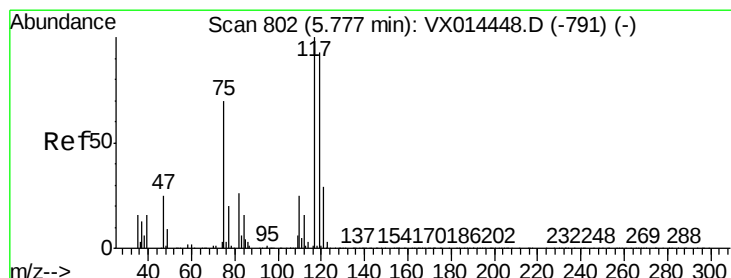
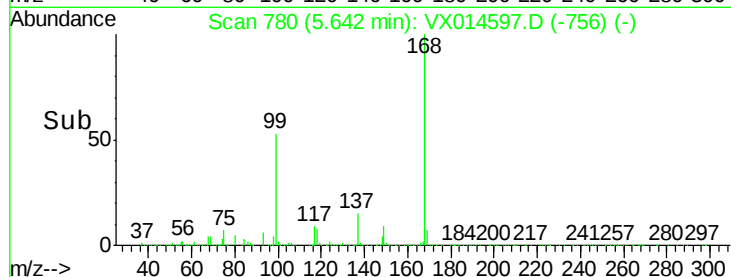
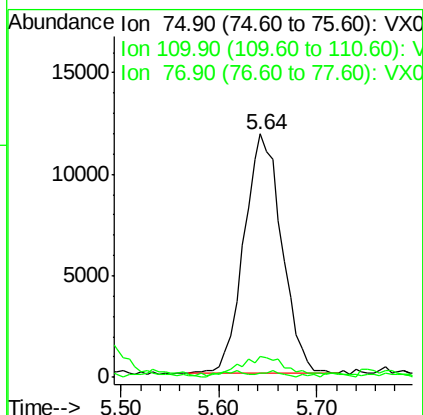
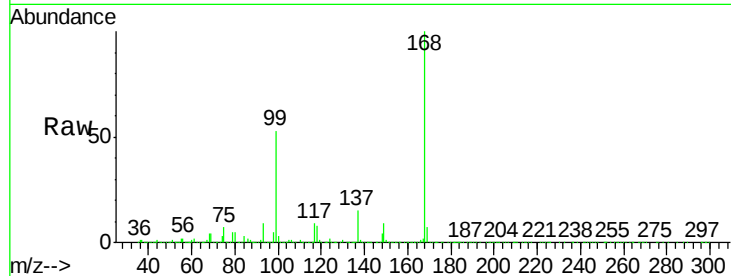




#36
 1,1-Dichloropropene
 Concen: 4.628 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014597.D
 Acq: 14 Jan 2020 10:36

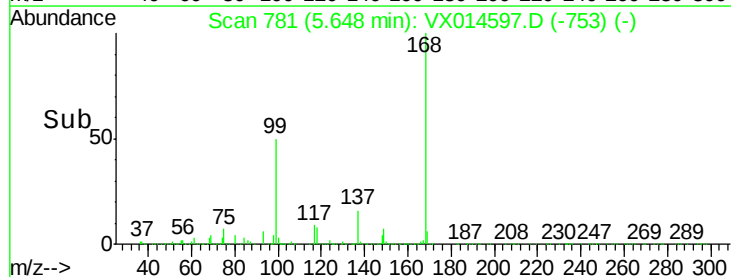
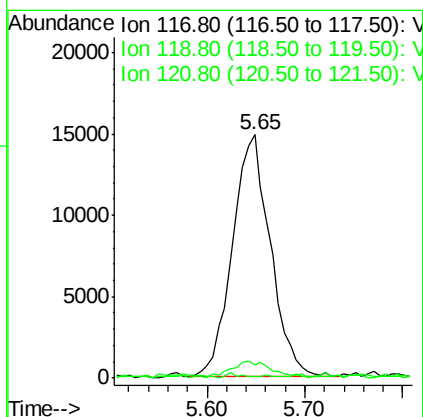
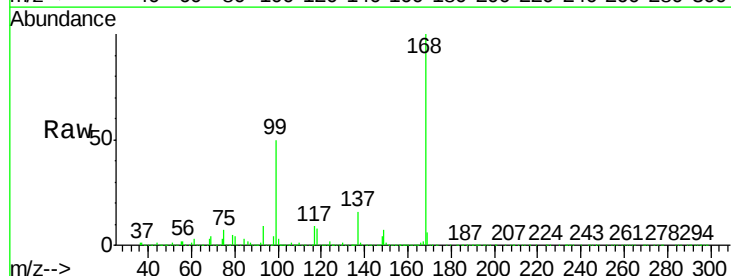
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0114WBL01

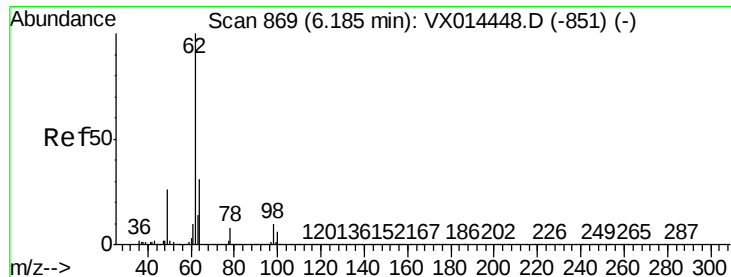
Tgt Ion: 75 Resp: 31520
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.6 55.8#
 77 1.6 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.405 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014597.D
 Acq: 14 Jan 2020 10:36

Tgt Ion: 117 Resp: 40146
 Ion Ratio Lower Upper
 117 100
 119 4.2 73.8 110.8#
 121 0.5 23.4 35.0#





#42

1,2-Dichloroethane

Concen: 0.217 ug/l

RT: 6.17 min Scan# 866

Delta R.T. -0.02 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampled :

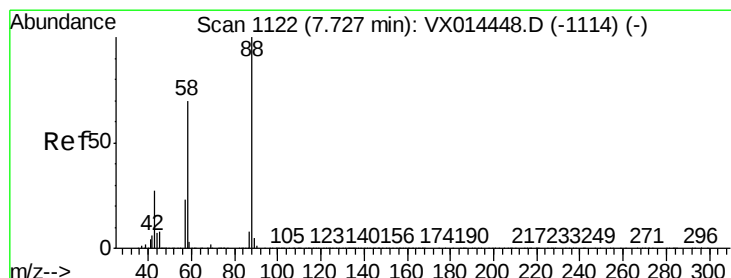
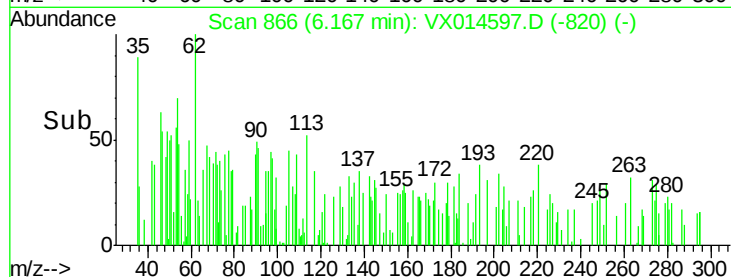
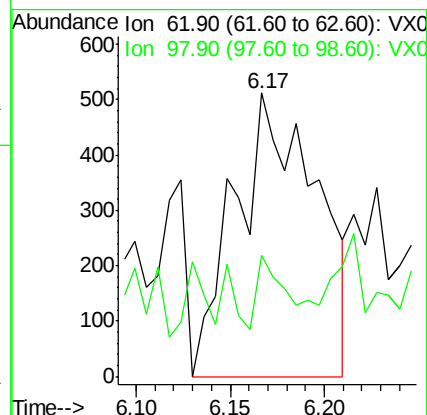
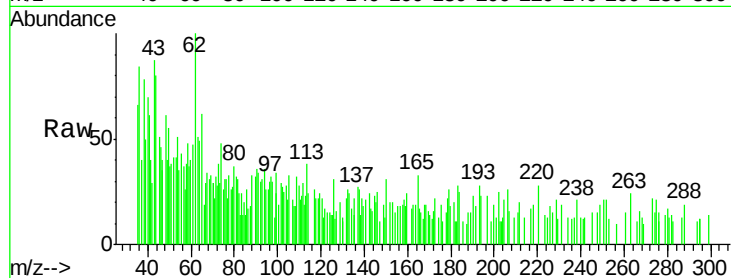
VX0114WBL01

Tgt Ion: 62 Resp: 1534

Ion Ratio Lower Upper

62 100

98 8.3 0.0 20.4



#49

1,4-Dioxane

Concen: 2.036 ug/l

RT: 7.68 min Scan# 1114

Delta R.T. -0.05 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

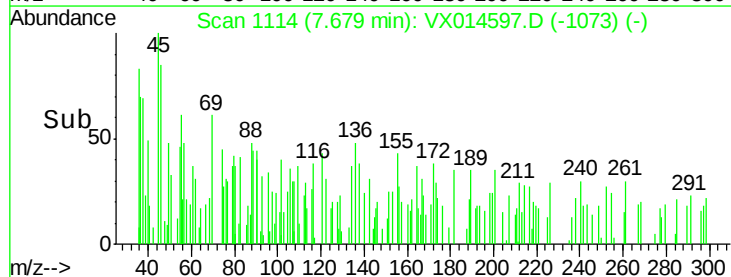
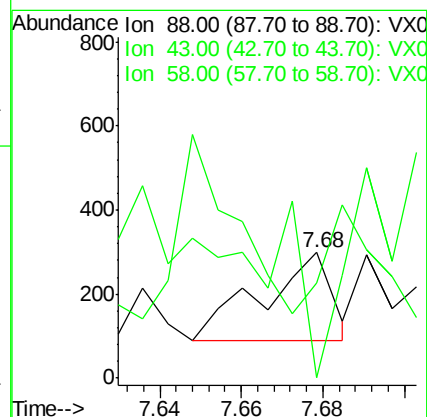
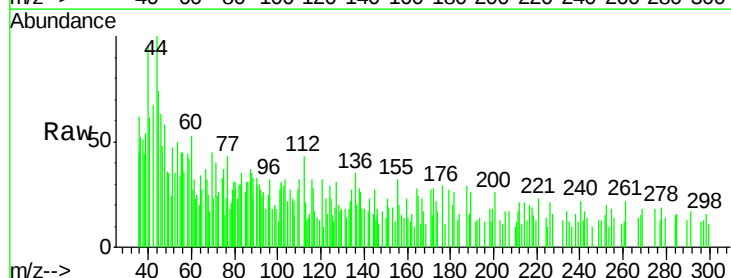
Tgt Ion: 88 Resp: 247

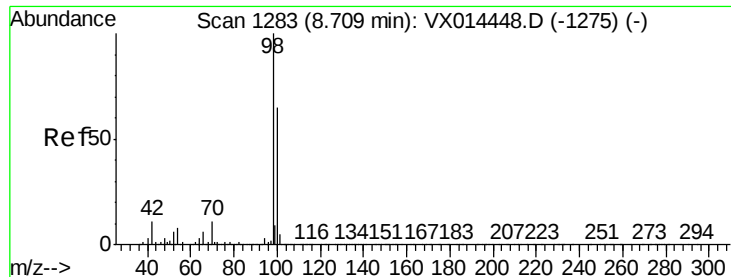
Ion Ratio Lower Upper

88 100

43 151.4 27.4 41.0#

58 130.0 57.1 85.7#





#50

Toluene-d8

Concen: 50.072 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

Instrument :

MSVOA_X

ClientSampleId :

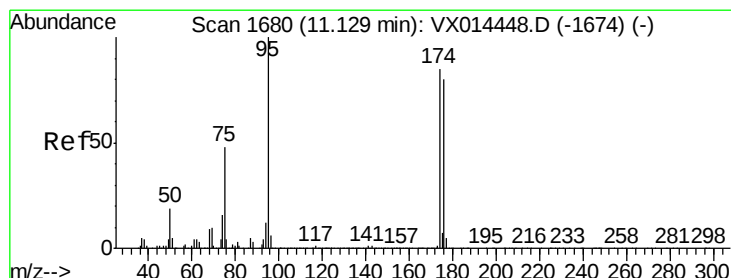
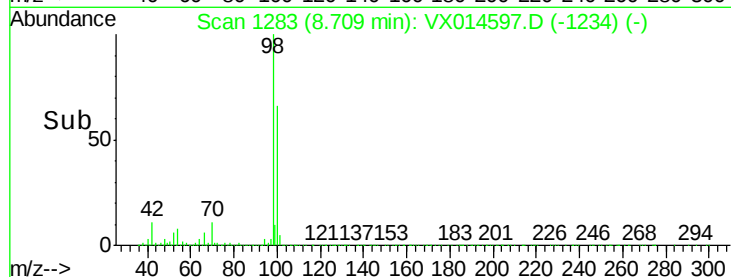
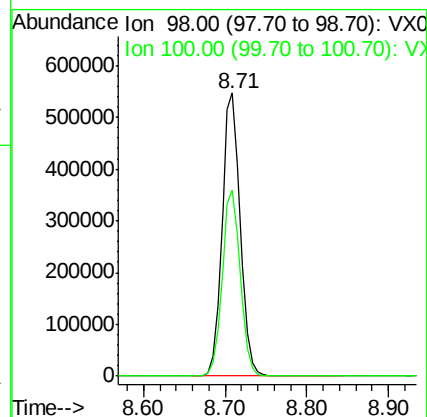
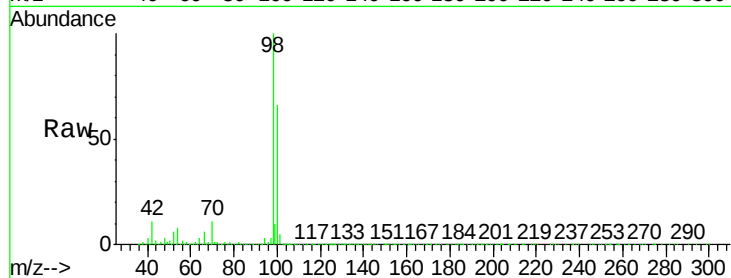
VX0114WBL01

Tgt Ion: 98 Resp: 851937

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 46.488 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

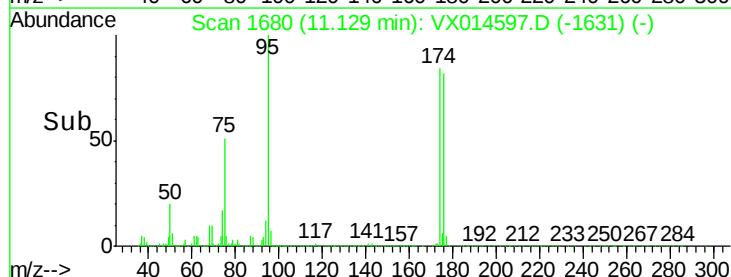
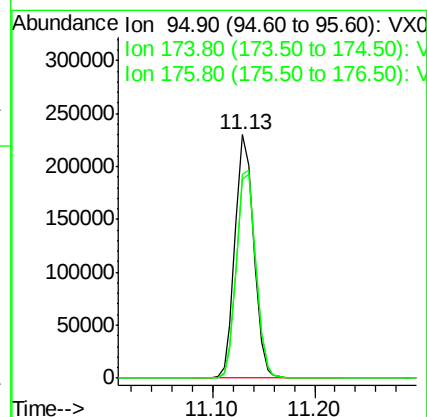
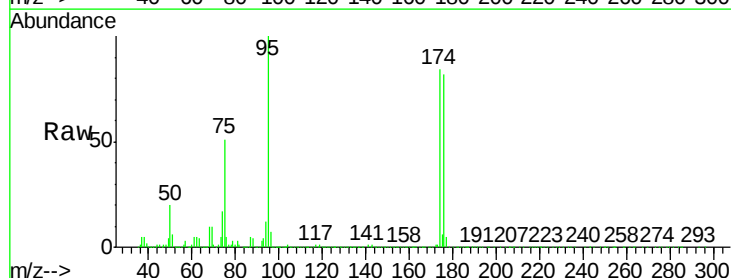
Tgt Ion: 95 Resp: 290372

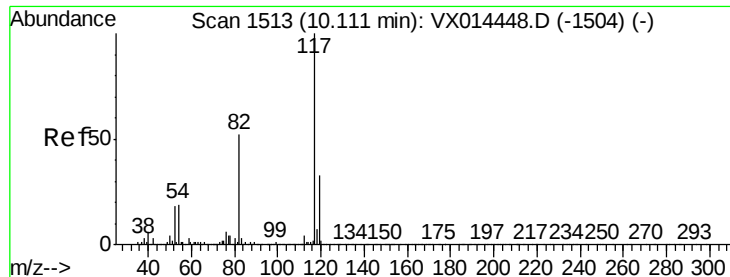
Ion Ratio Lower Upper

95 100

174 89.1 0.0 180.8

176 86.7 0.0 172.8

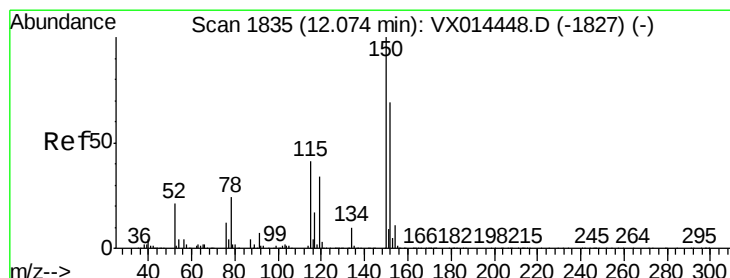
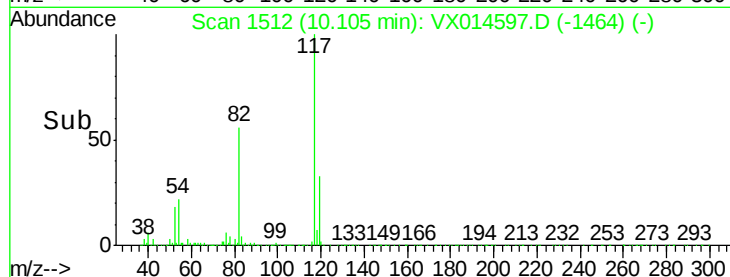
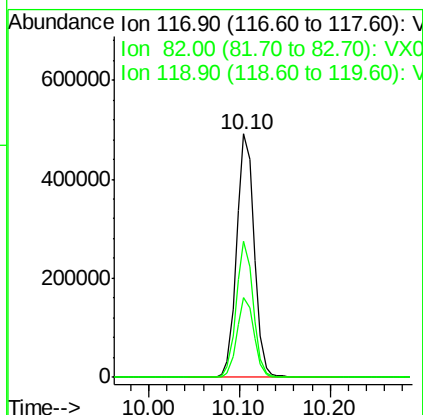
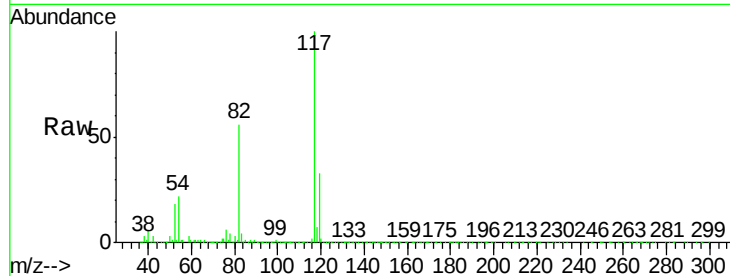




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014597.D
Acq: 14 Jan 2020 10:36

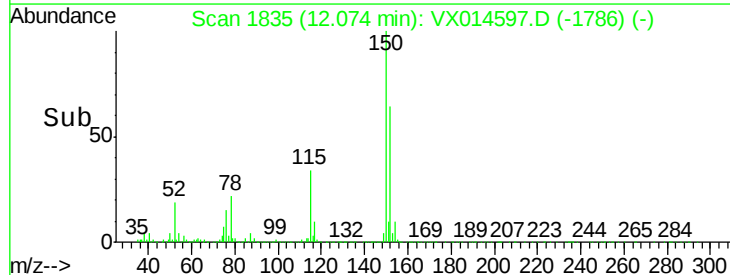
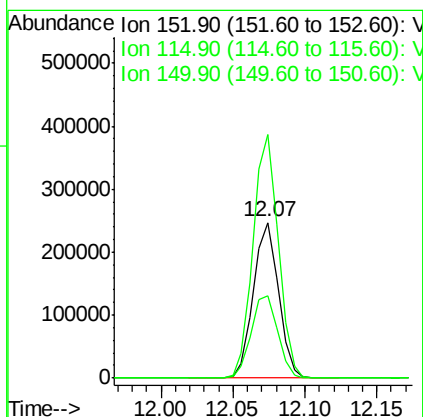
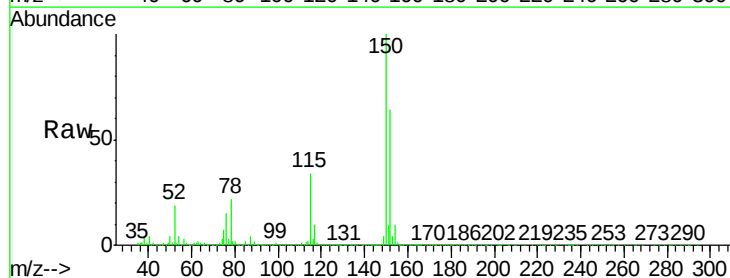
Instrument :
MSVOA_X
ClientSampleId :
VX0114WBL01

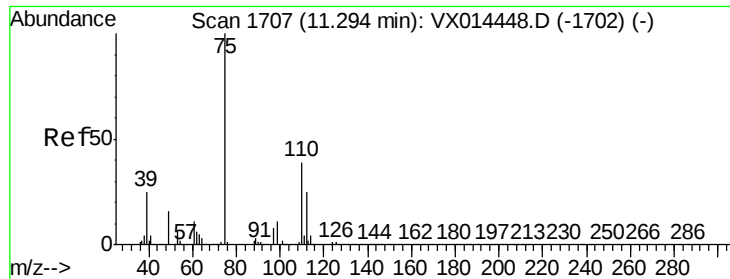
Tgt Ion:117 Resp: 657374
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.6
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014597.D
Acq: 14 Jan 2020 10:36

Tgt Ion:152 Resp: 296470
Ion Ratio Lower Upper
152 100
115 56.1 39.5 118.3
150 156.8 0.0 350.2

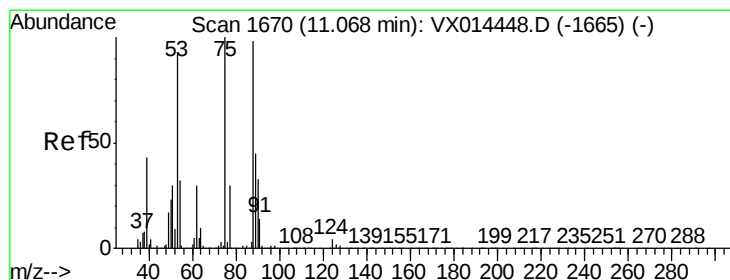
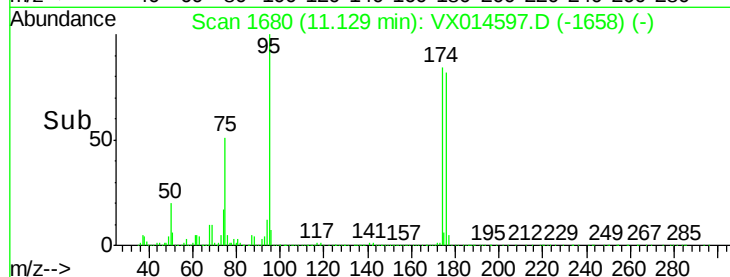
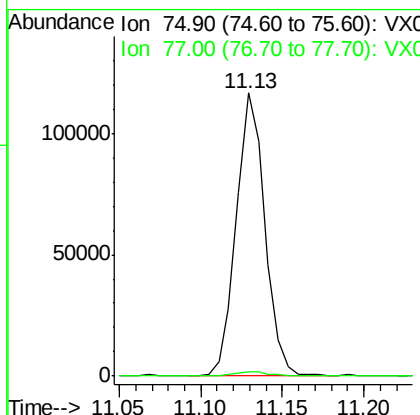
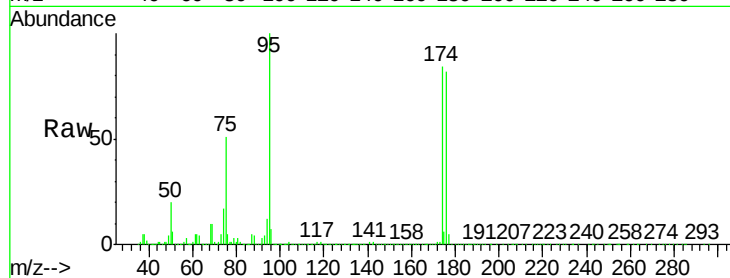




#76
 1,2,3-Trichloropropane
 Concen: 23.218 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014597.D
 Acq: 14 Jan 2020 10:36

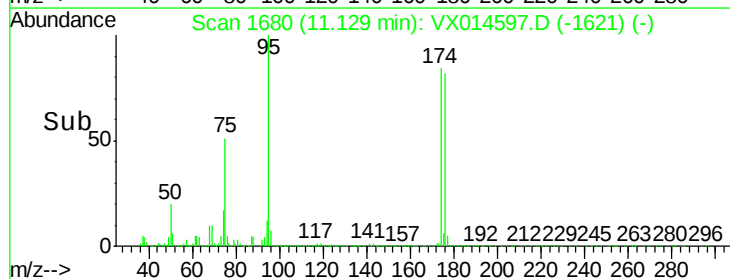
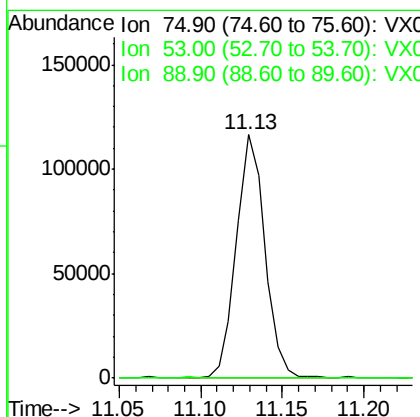
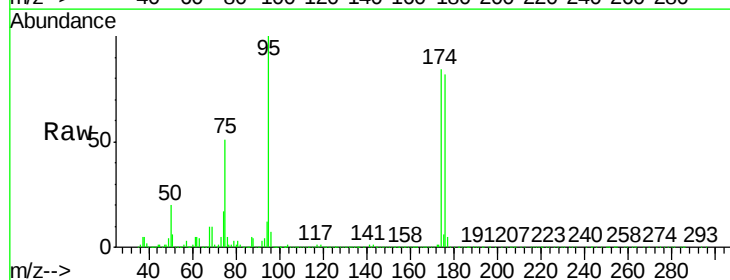
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0114WBL01

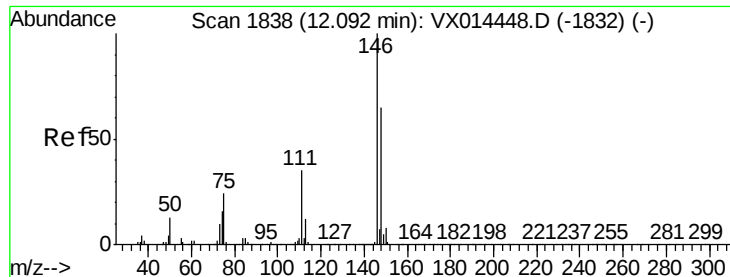
Tgt Ion: 75 Resp: 142420
 Ion Ratio Lower Upper
 75 100
 77 2.0 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.384 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014597.D
 Acq: 14 Jan 2020 10:36

Tgt Ion: 75 Resp: 142420
 Ion Ratio Lower Upper
 75 100
 53 0.5 74.8 112.2#
 89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.02 min Scan# 1826

Delta R.T. -0.07 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

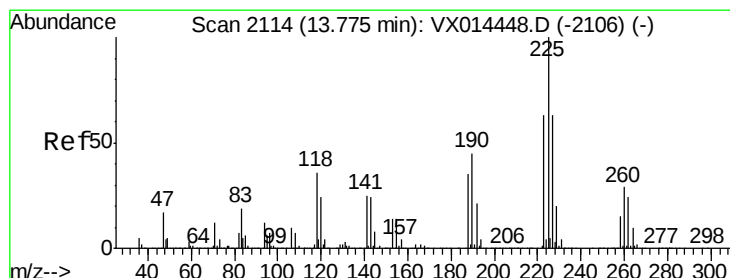
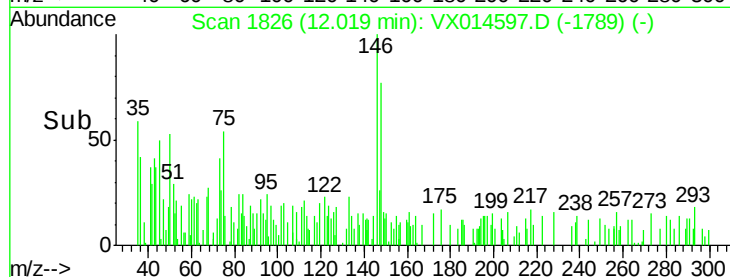
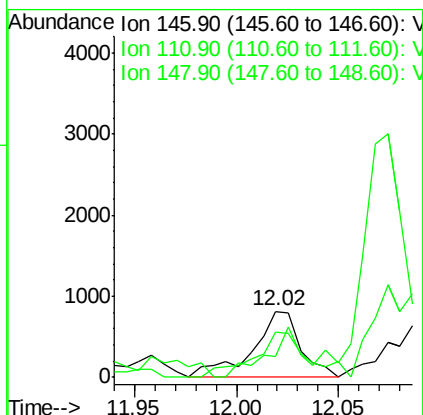
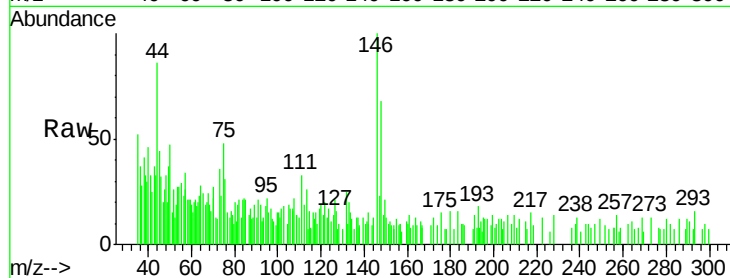
Instrument :

MSVOA_X

ClientSampled :

VX0114WBL01

Tgt Ion:	146	Resp:	1336
Ion	Ratio	Lower	Upper
146	100		
111	52.5	18.1	54.1
148	71.1	32.1	96.3



#94

Hexachlorobutadiene

Concen: 0.242 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014597.D

Acq: 14 Jan 2020 10:36

Tgt Ion:	225	Resp:	605
Ion	Ratio	Lower	Upper
225	100		
223	96.2	31.1	93.2#
227	88.1	31.4	94.2

