

Data File : VX002193.D
 Acq On : 31 May 2018 23:03
 Operator : JC/MD
 Sample : J3212-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: Jun 01 03:48:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	49113	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	274072	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	234533	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121839	31.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.10%
60) 4-Bromofluorobenzene	11.14	95	106962	26.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.80%
63) Toluene-d8	8.72	98	321304	30.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.47%

Target Compounds

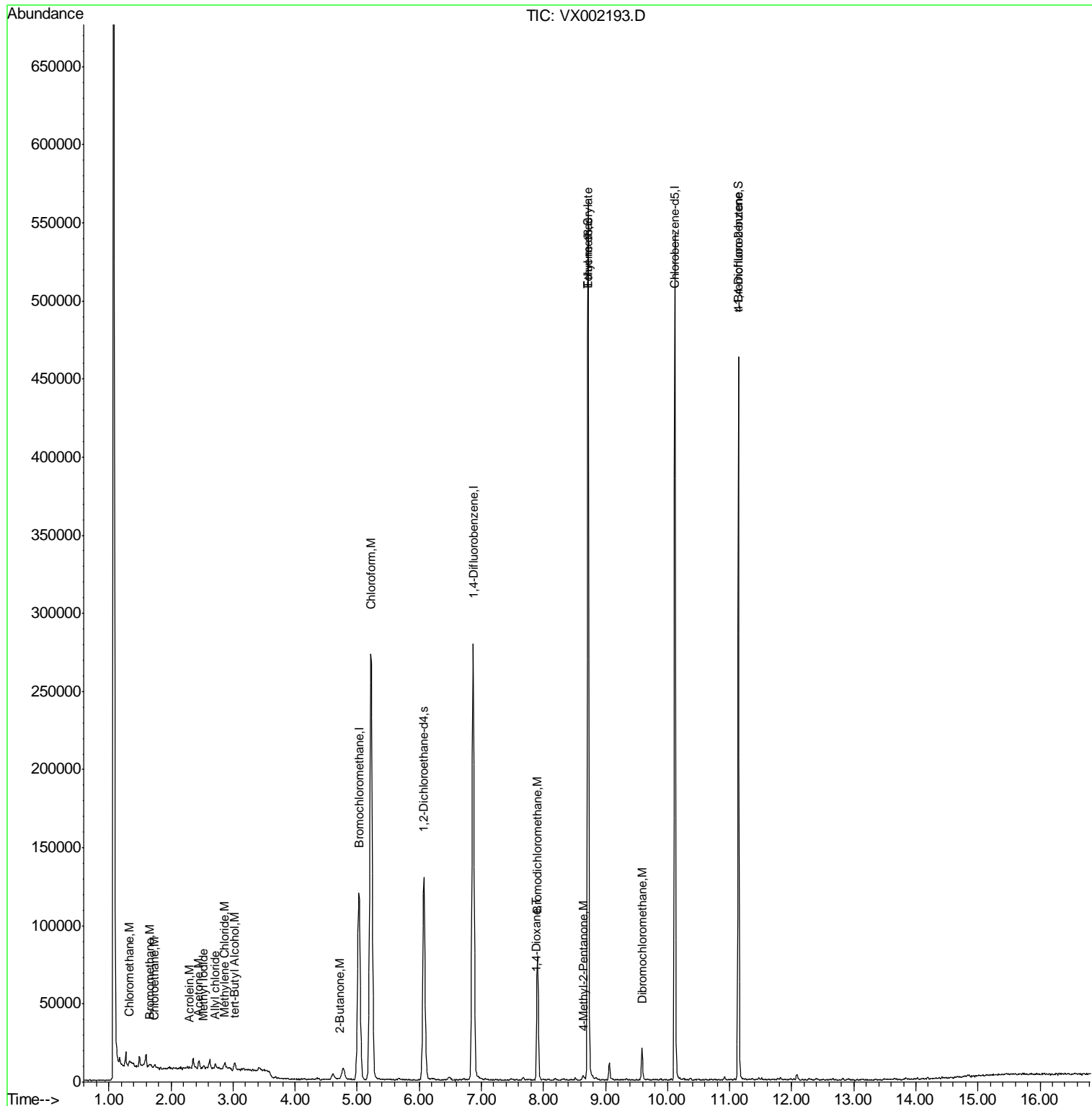
						Qvalue
3) Chloromethane	1.33	50	842	0.27	ug/l #	86
5) Bromomethane	1.66	94	1514	0.88	ug/l	87
6) Chloroethane	1.73	64	675	0.37	ug/l #	74
11) Methyl Iodide	2.53	142	1884	0.49	ug/l	92
13) Acrolein	2.29	56	543	1.61	ug/l	93
15) Acetone	2.45	58	1762	4.06	ug/l	81
17) Allyl chloride	2.71	41	3181	0.63	ug/l #	40
18) Methylene Chloride	2.86	84	1847	0.67	ug/l #	93
23) tert-Butyl Alcohol	3.03	59	2944	3.48	ug/l #	96
25) Chloroform	5.22	83	312238	57.94	ug/l	99
30) 2-Butanone	4.71	43	546	0.20	ug/l #	68
41) Bromodichloromethane	7.90	83	46517	10.67	ug/l	98
45) 1,4-Dioxane	7.88	88	21	0.25	ug/l #	1
51) Ethyl methacrylate	8.73	69	1129	0.22	ug/l	73
53) Dibromochloromethane	9.59	129	3808	1.03	ug/l	97
58) 4-Methyl-2-Pentanone	8.64	43	2655	0.52	ug/l #	59
77) t-1,4-Dichloro-2-butene	11.14	75	58379	39.84	ug/l #	11

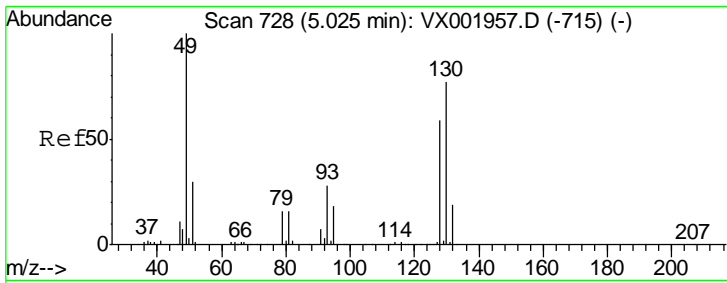
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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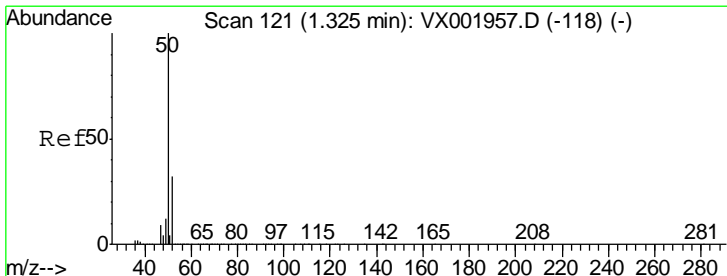
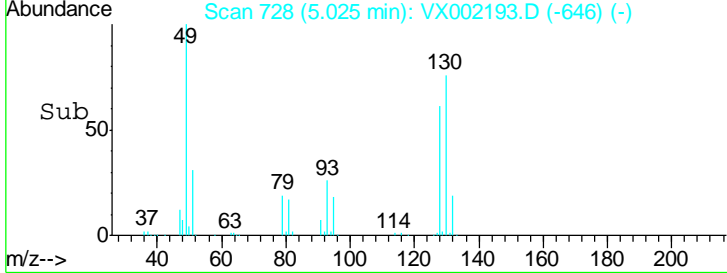
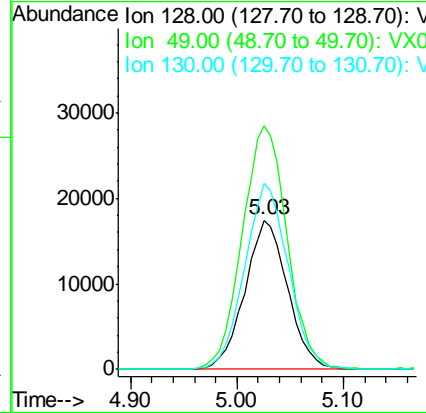
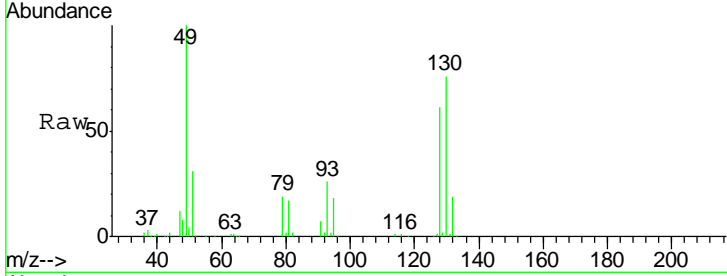




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

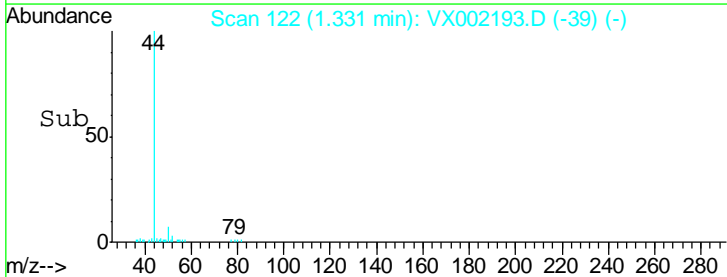
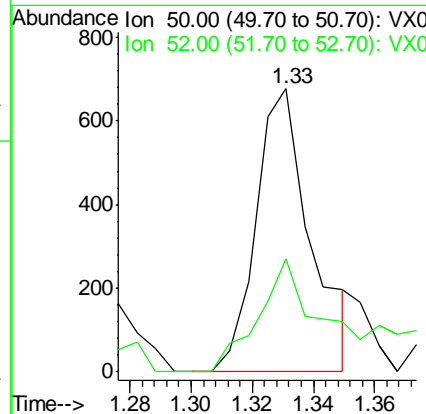
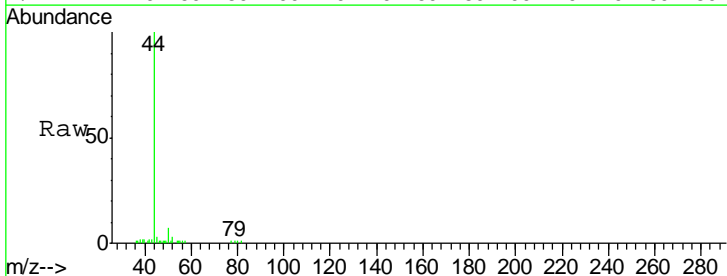
Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

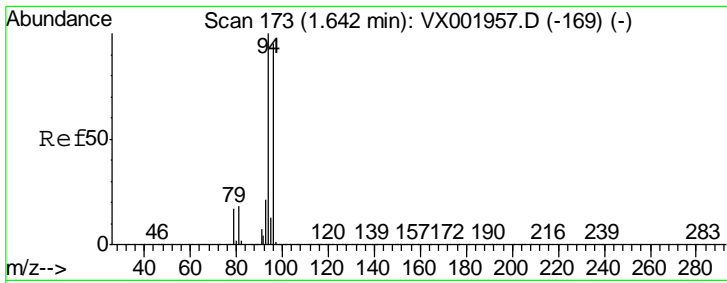
Tgt Ion	Resp	Lower	Upper
128	49113		
49	170.9	0.0	423.0
130	127.3	0.0	324.3



#3
 Chloromethane
 Concen: 0.27 ug/l
 RT: 1.33 min Scan# 122
 Delta R.T. 0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
50	842		
52	39.9	25.6	38.4#

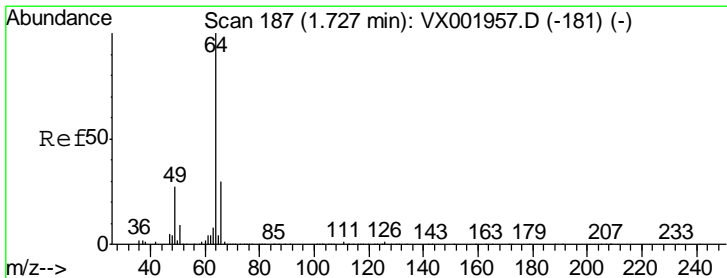
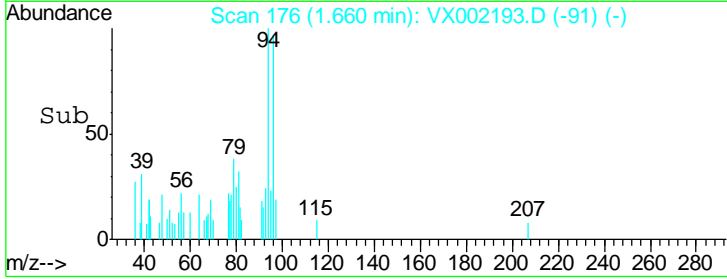
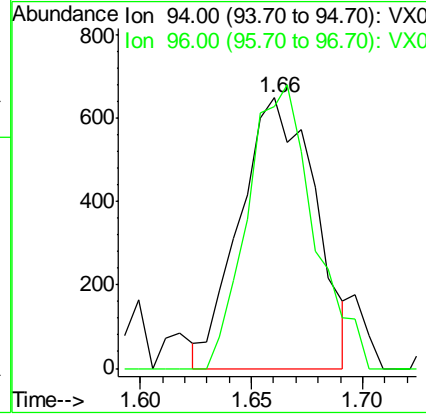
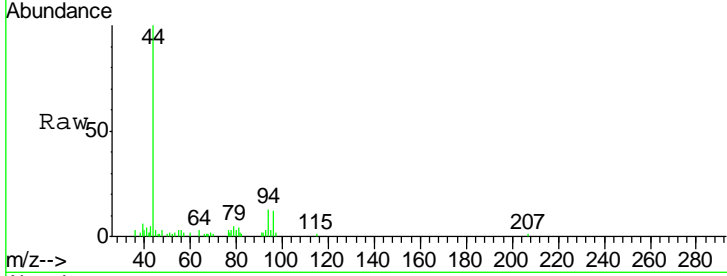




#5
 Bromomethane
 Concen: 0.88 ug/l
 RT: 1.66 min Scan# 176
 Delta R.T. 0.02 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

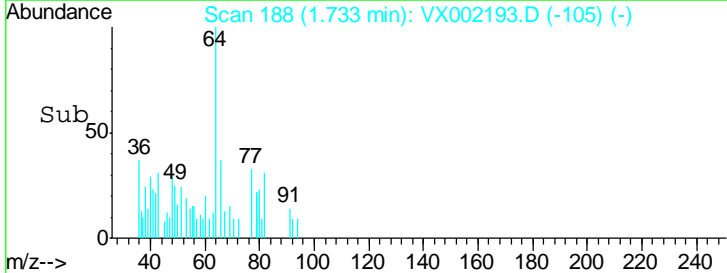
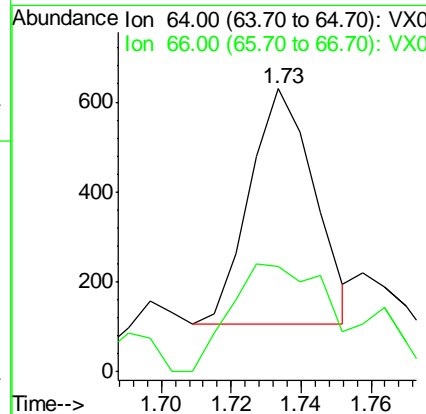
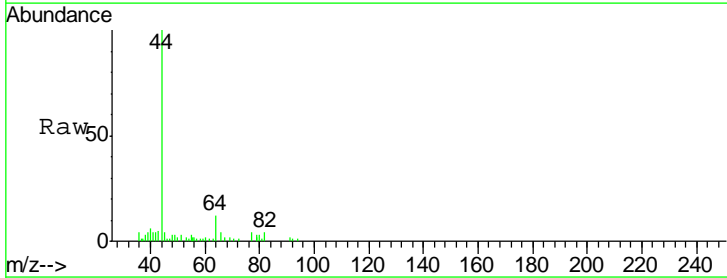
Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

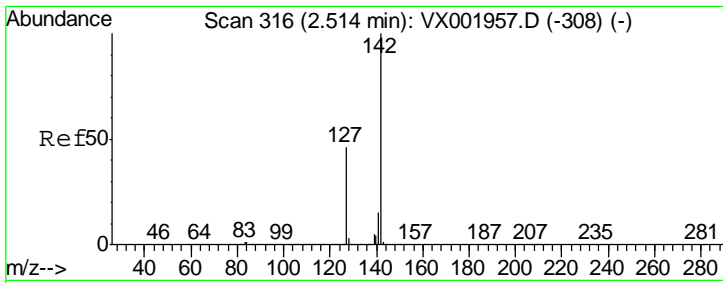
Tgt Ion: 94 Resp: 1514
 Ion Ratio Lower Upper
 94 100
 96 107.2 75.7 113.5



#6
 Chloroethane
 Concen: 0.37 ug/l
 RT: 1.73 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion: 64 Resp: 675
 Ion Ratio Lower Upper
 64 100
 66 44.7 24.3 36.5#

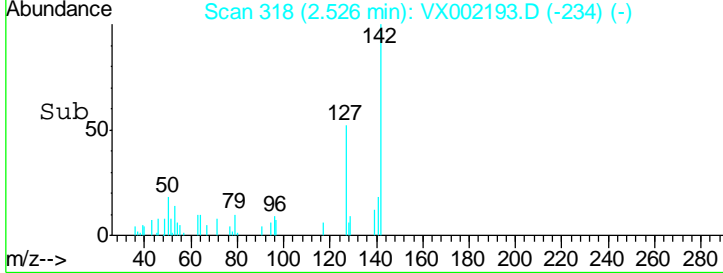
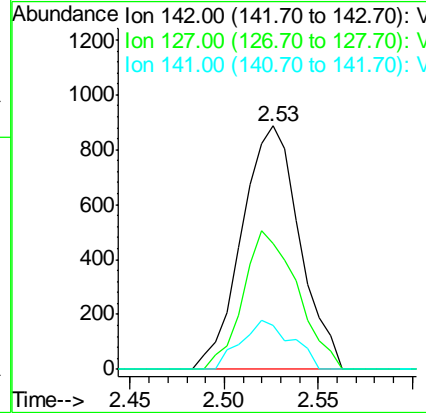
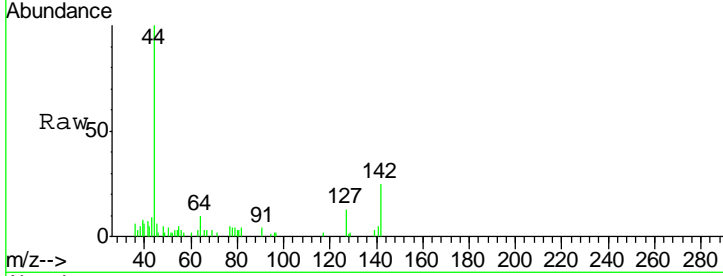




#11
 Methyl Iodide
 Concen: 0.49 ug/l
 RT: 2.53 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

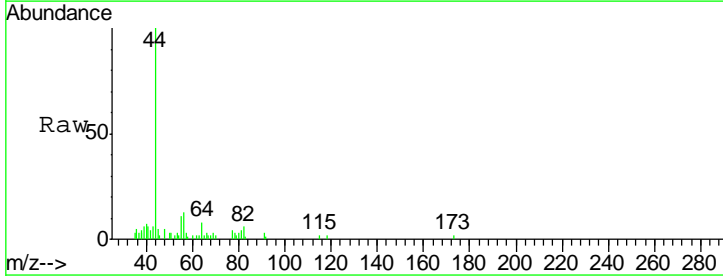
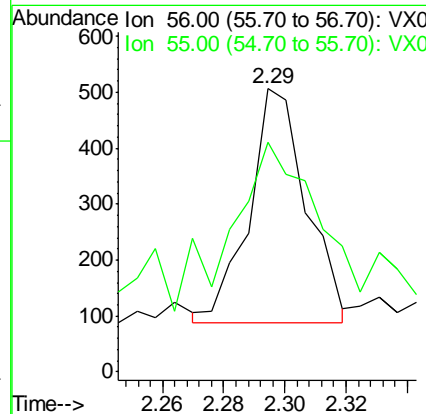
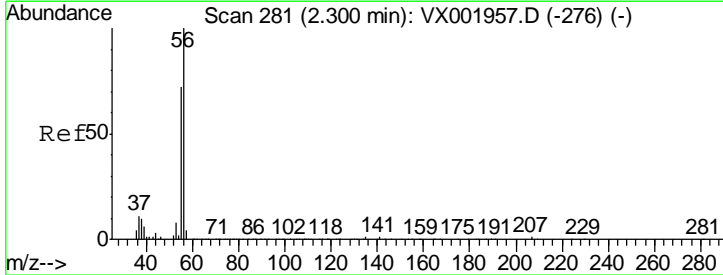
Instrument :
 MSVOA_X
ClientSampled :
 14B-2

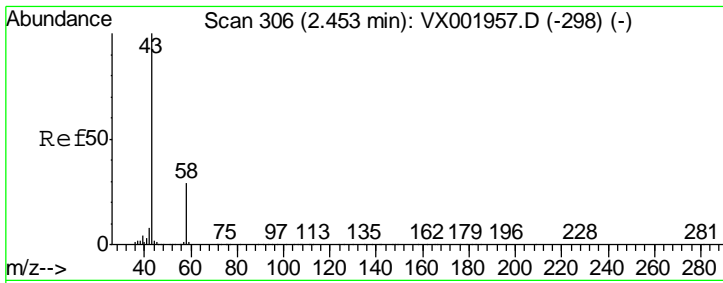
Tgt Ion	Resp	Lower	Upper
142	1884		
127	51.9	23.2	69.6
141	17.9	7.4	22.2



#13
 Acrolein
 Concen: 1.61 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
56	543		
55	77.5	57.3	85.9

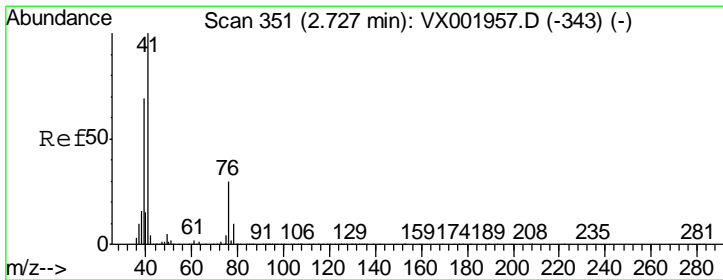
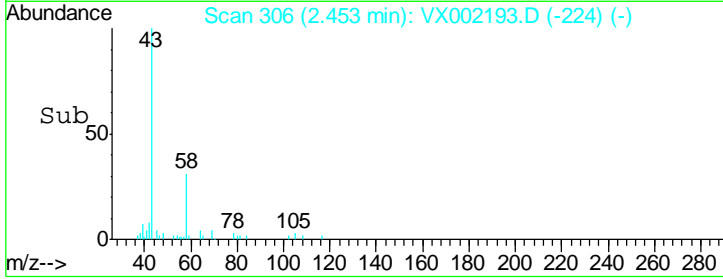
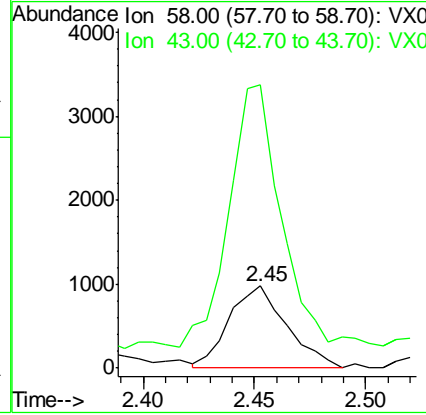
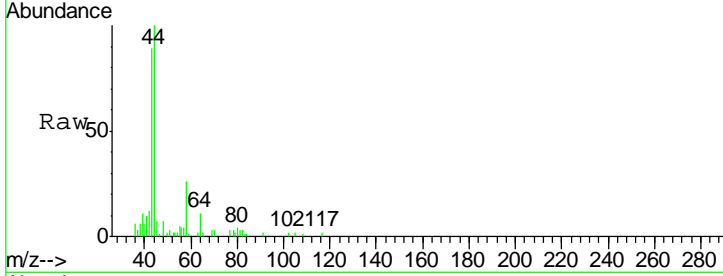




#15
 Acetone
 Concen: 4.06 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

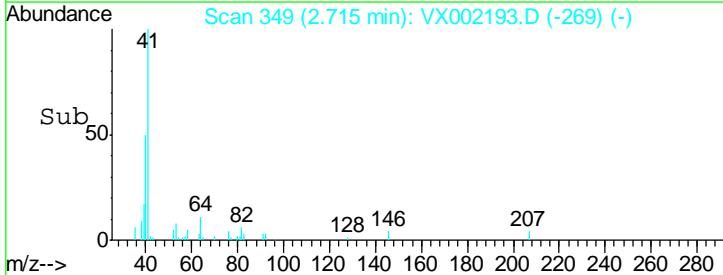
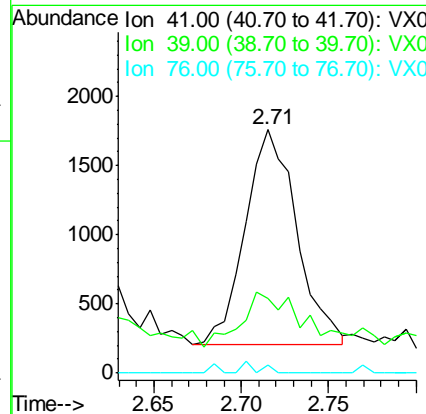
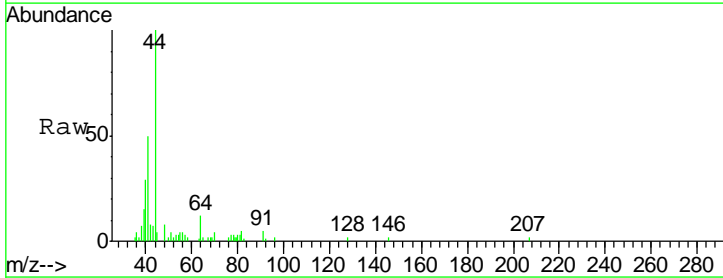
Instrument : MSVOA_X
 ClientSampled : 14B-2

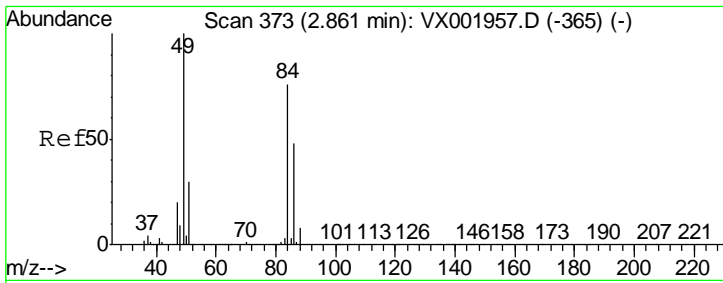
Tgt Ion	Resp	Lower	Upper
58	1762		
58	100		
43	307.8	278.8	418.2



#17
 Allyl chloride
 Concen: 0.63 ug/l
 RT: 2.71 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
41	3181		
41	100		
39	15.8	34.6	103.8#
76	3.7	15.0	45.1#

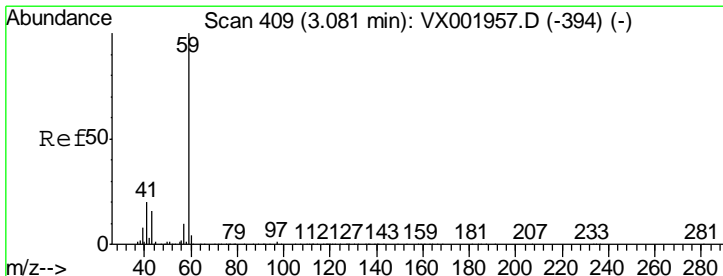
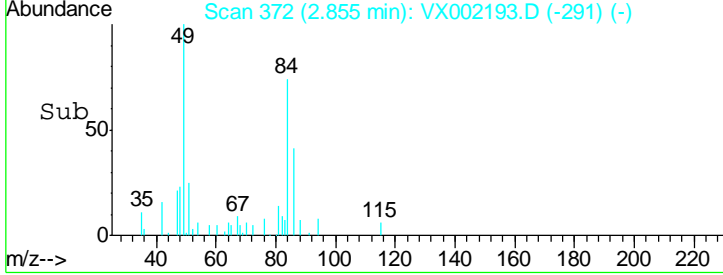
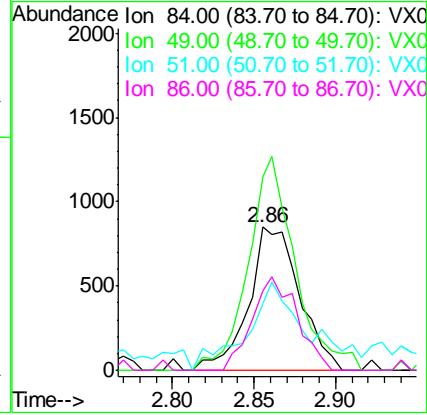
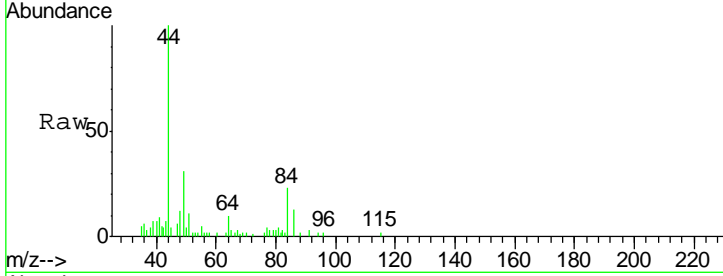




#18
 Methylene Chloride
 Concen: 0.67 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

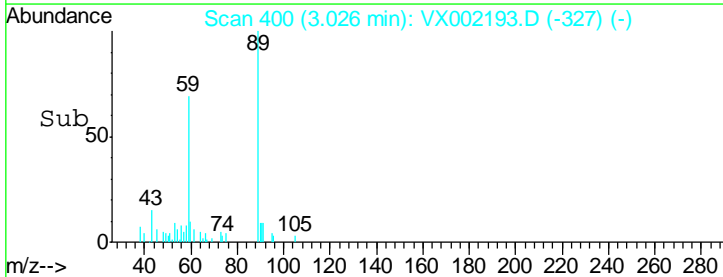
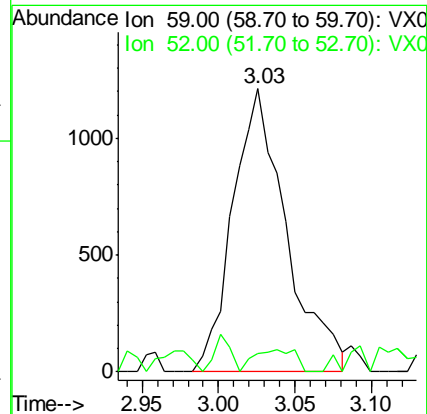
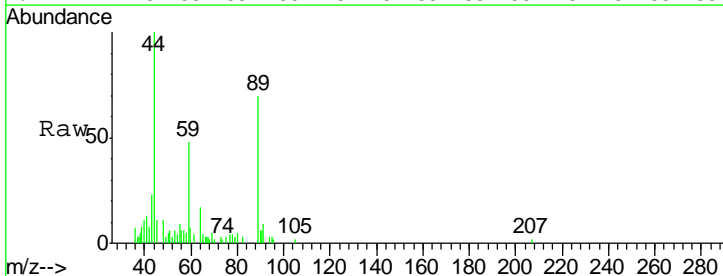
Instrument : MSVOA_X
 ClientSampled : 14B-2

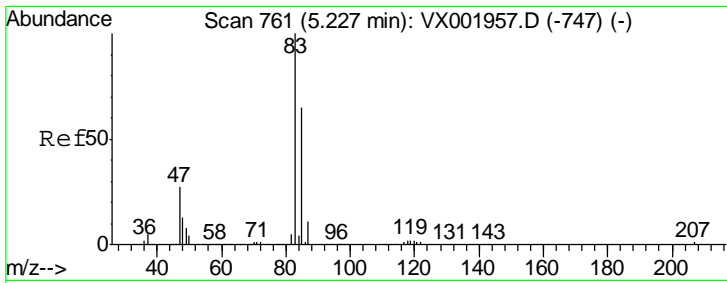
Tgt Ion	Resp	Lower	Upper
84	1847		
49	135.0	104.7	157.1
51	46.7	31.0	46.4#
86	55.3	50.8	76.2



#23
 tert-Butyl Alcohol
 Concen: 3.48 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
59	2944		
52	4.9	0.2	0.2#

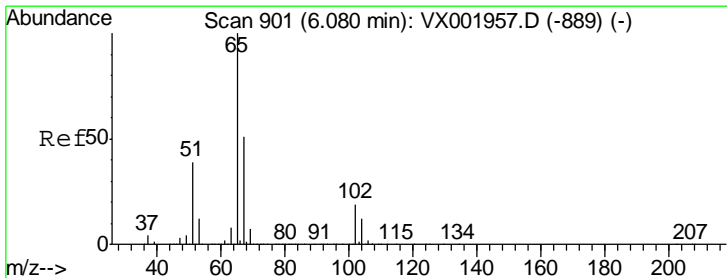
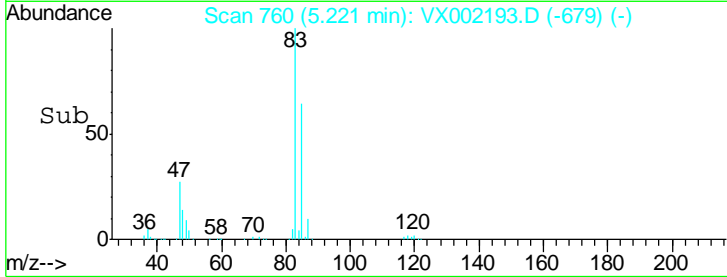
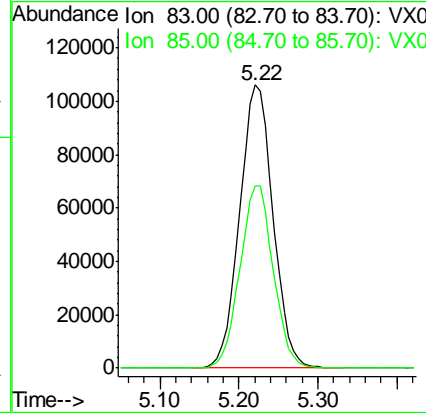
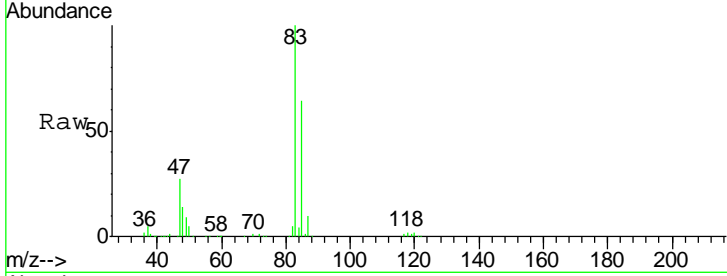




#25
 Chloroform
 Concen: 57.94 ug/l
 RT: 5.22 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

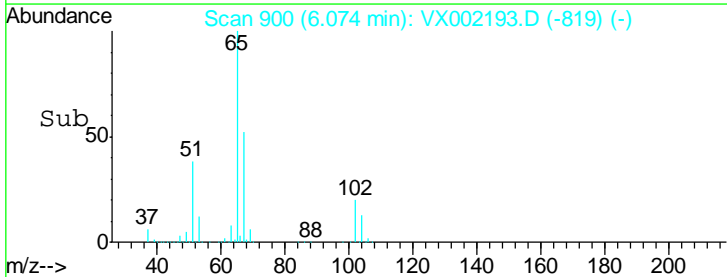
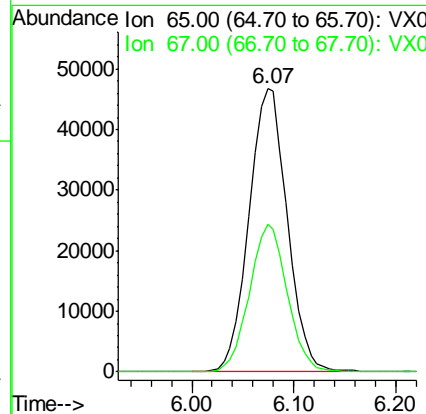
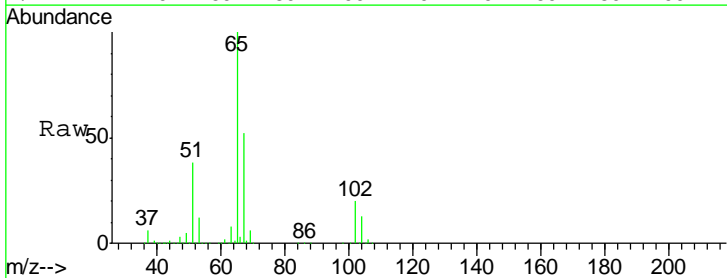
Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

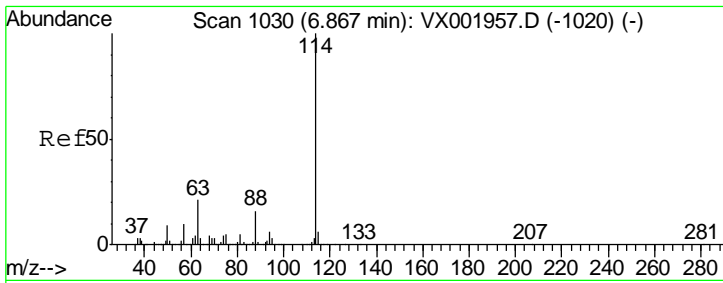
Tgt Ion: 83 Resp: 312238
 Ion Ratio Lower Upper
 83 100
 85 64.2 51.9 77.9



#27
 1,2-Dichloroethane-d4
 Concen: 31.53 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion: 65 Resp: 121839
 Ion Ratio Lower Upper
 65 100
 67 51.5 40.9 61.3

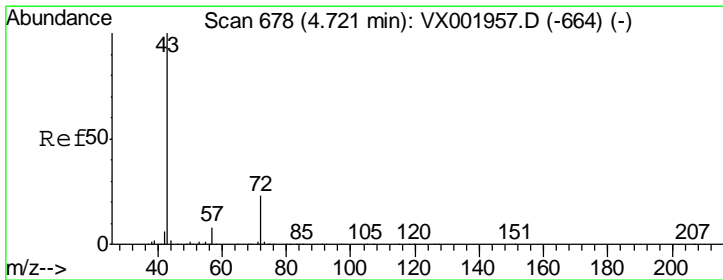
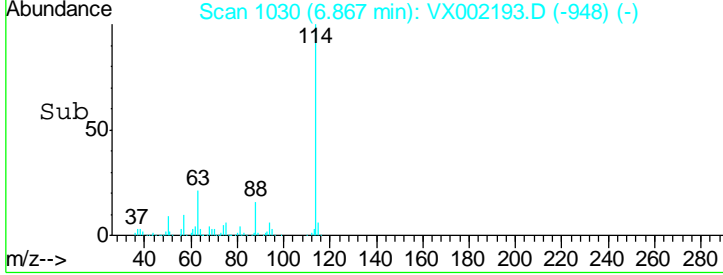
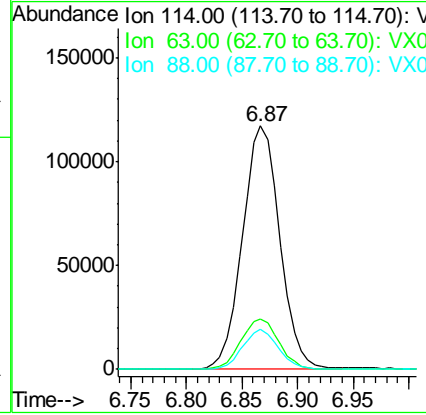
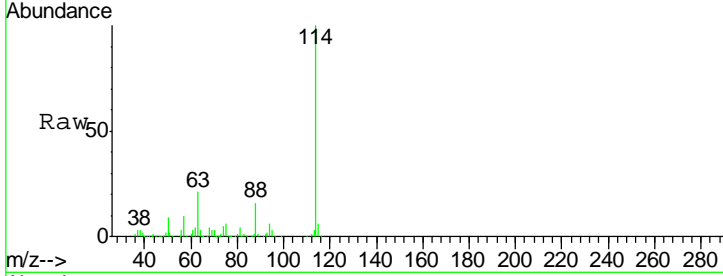




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

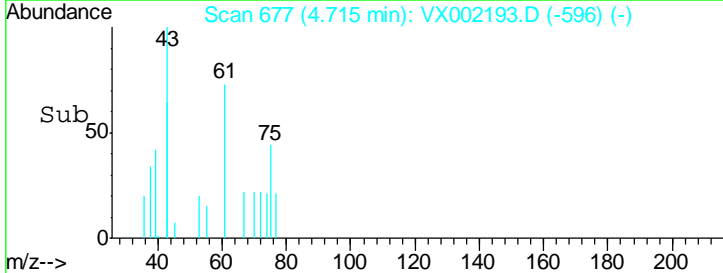
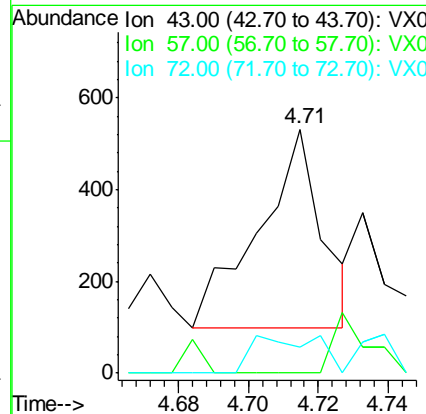
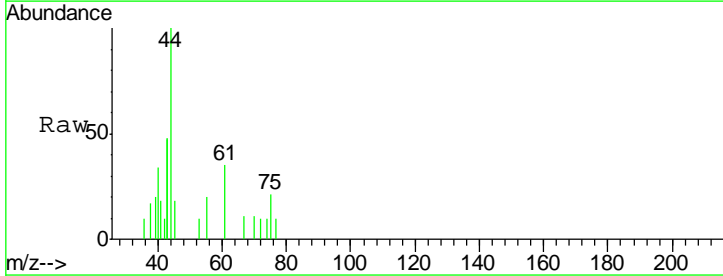
Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

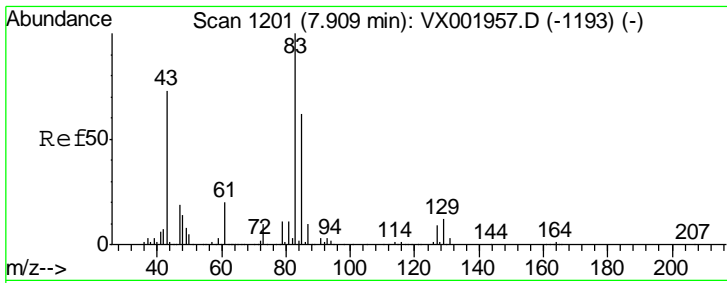
Tgt Ion	Resp	Lower	Upper
114	100		
63	21.1	17.1	25.7
88	15.9	12.6	19.0



#30
 2-Butanone
 Concen: 0.20 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
43	100		
57	0.0	6.1	9.1#
72	5.5	18.1	27.1#

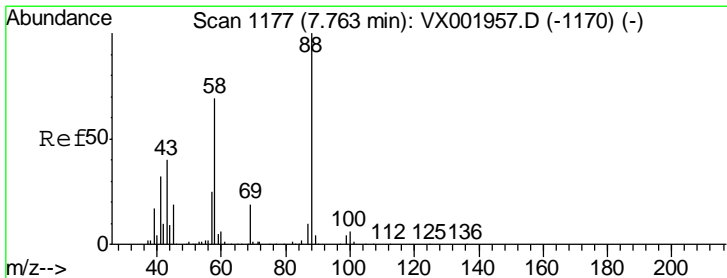
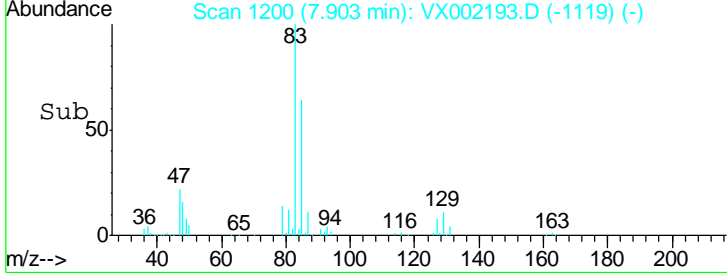
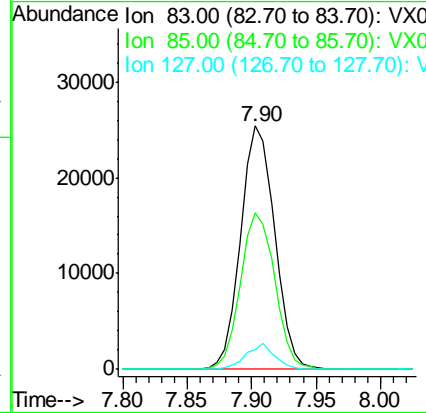
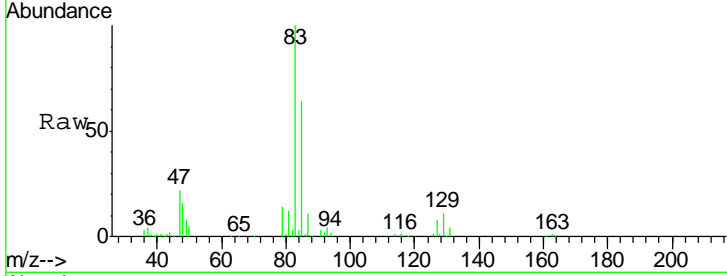




#41
 Bromodichloromethane
 Concen: 10.67 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

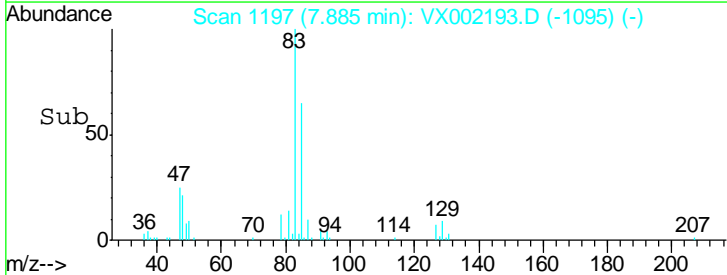
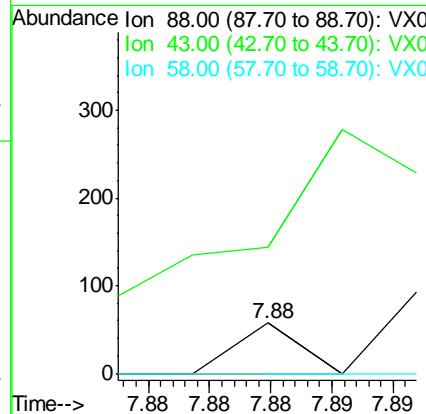
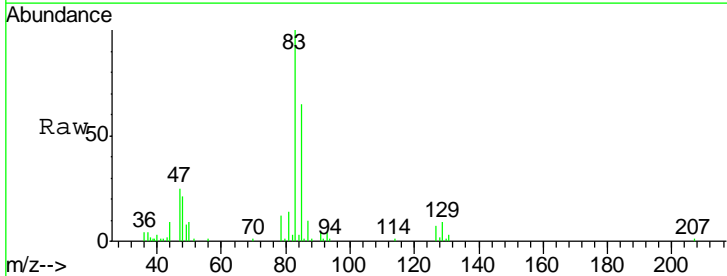
Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

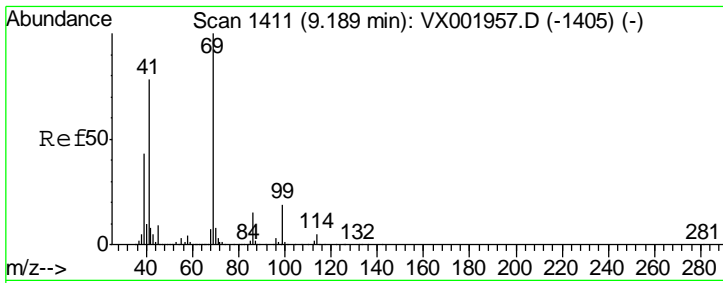
Tgt Ion	Resp	Lower	Upper
83	46517		
85	64.2	49.8	74.8
127	8.3	7.3	10.9



#45
 1,4-Dioxane
 Concen: 0.25 ug/l
 RT: 7.88 min Scan# 1197
 Delta R.T. 0.12 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
88	21		
43	242.9	43.2	64.8#
58	0.0	60.2	90.2#

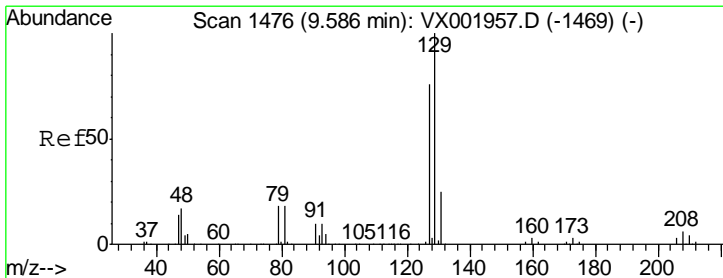
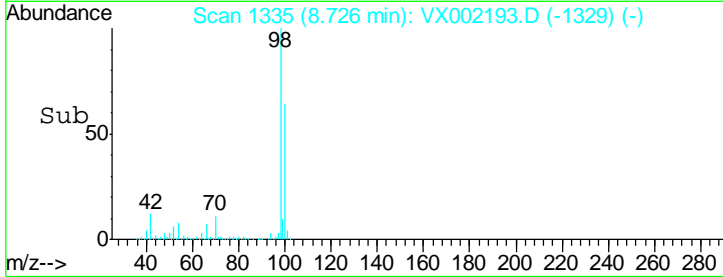
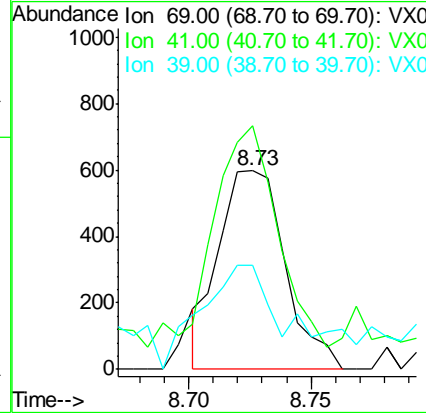
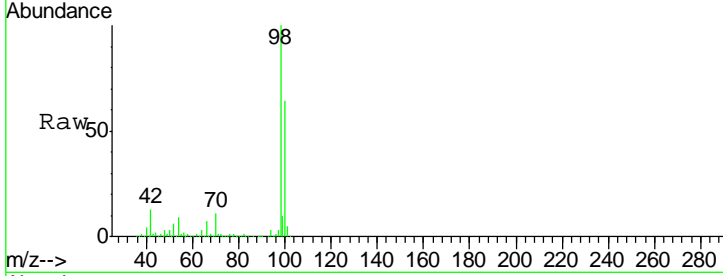




#51
 Ethyl methacrylate
 Concen: 0.22 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.46 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

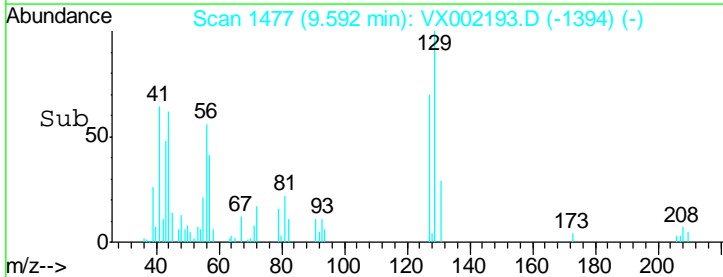
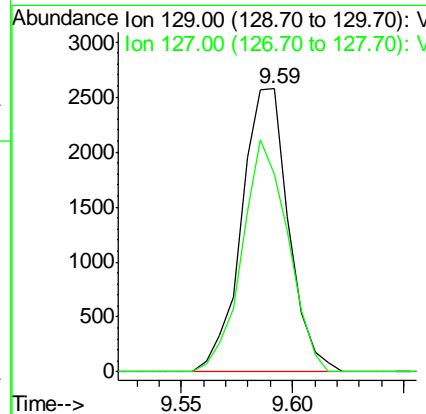
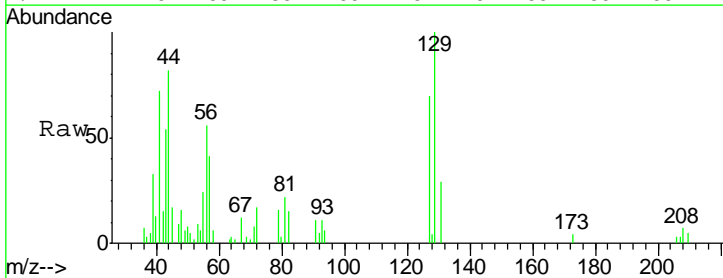
Instrument : MSVOA_X
 ClientSampled : 14B-2

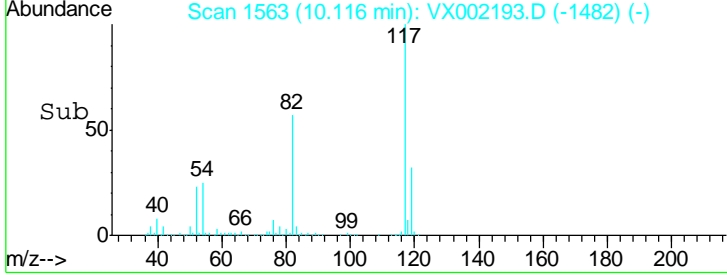
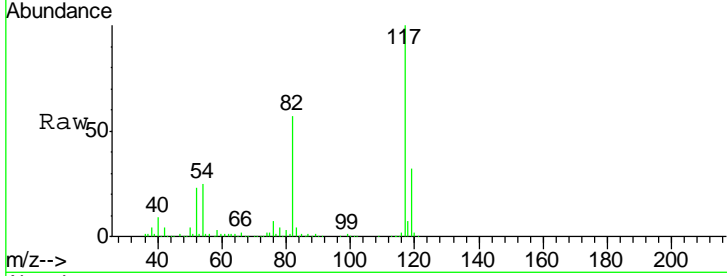
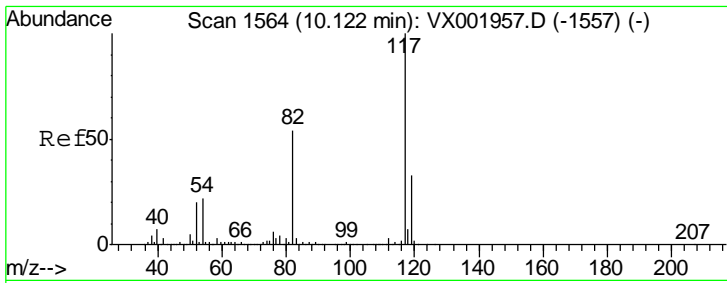
Tgt Ion	Resp	Lower	Upper
69	100		
41	107.2	39.1	117.3
39	32.8	21.7	65.1



#53
 Dibromochloromethane
 Concen: 1.03 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
129	100		
127	79.4	38.5	115.3

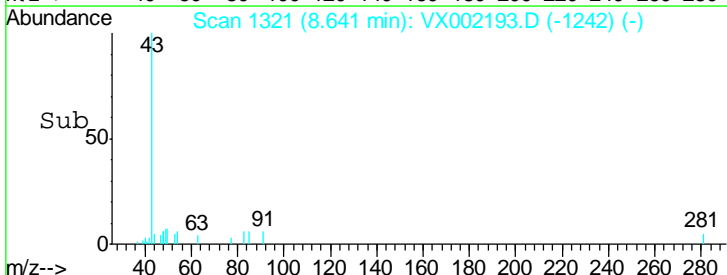
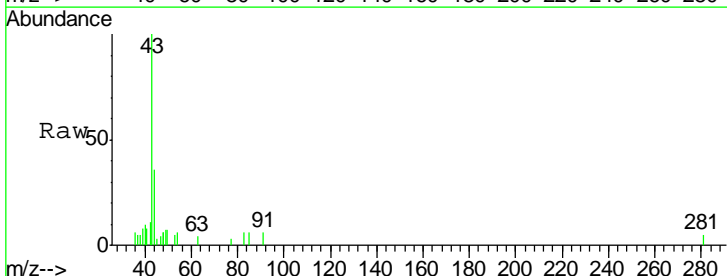
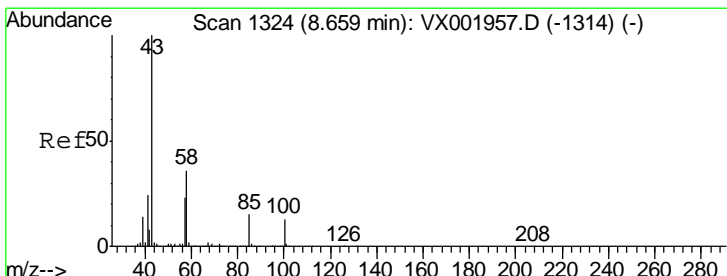
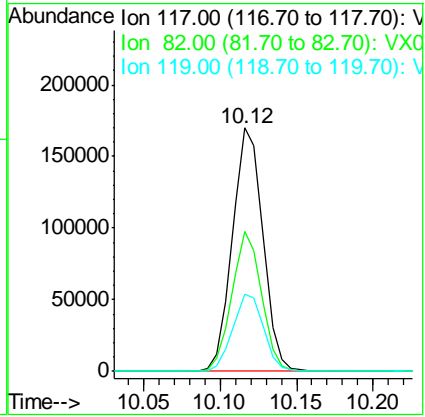




#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

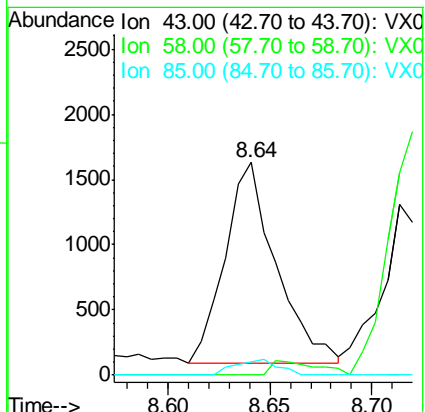
Instrument : MSVOA_X
 ClientSampled : 14B-2

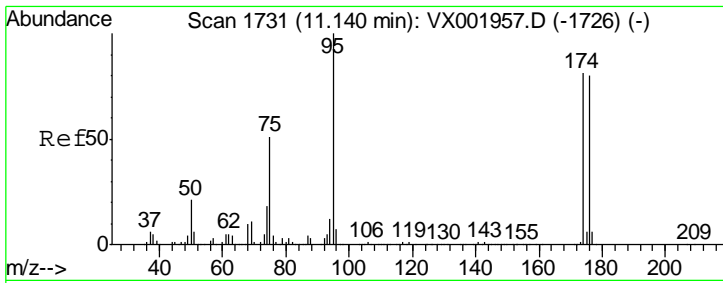
Tgt Ion	Resp	Lower	Upper
117	234533		
82	56.0	44.3	66.5
119	32.2	25.7	38.5



#58
 4-Methyl-2-Pentanone
 Concen: 0.52 ug/l
 RT: 8.64 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
43	2655		
58	6.5	28.2	42.4#
85	6.6	12.4	18.6#

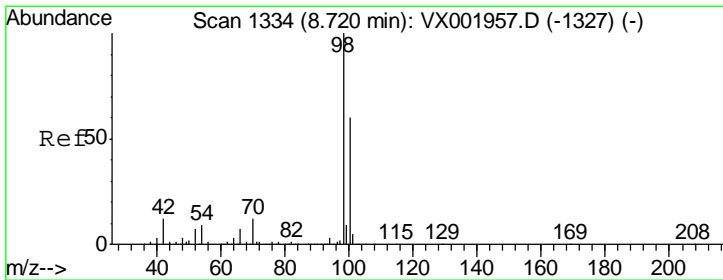
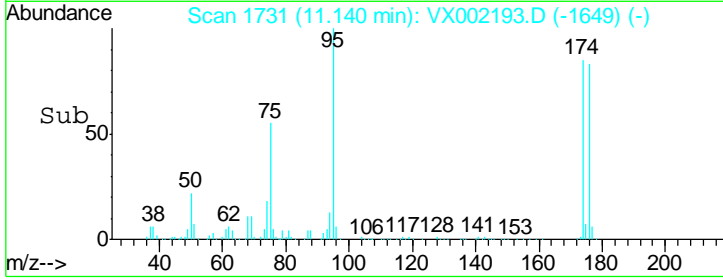
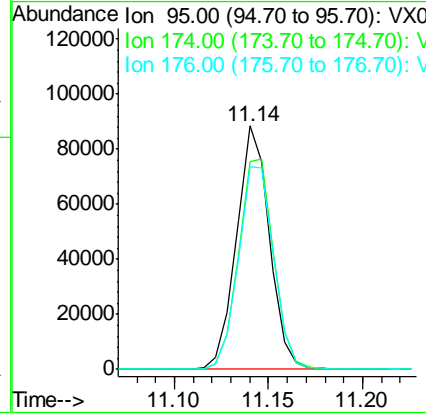
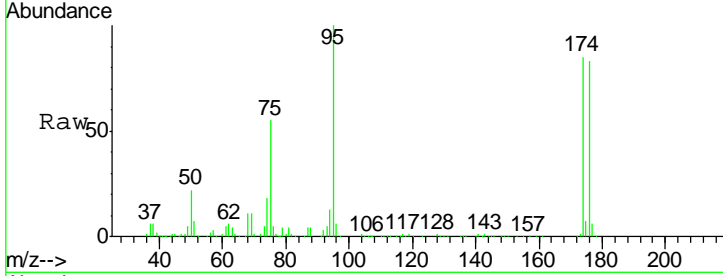




#60
 4-Bromofluorobenzene
 Concen: 26.64 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

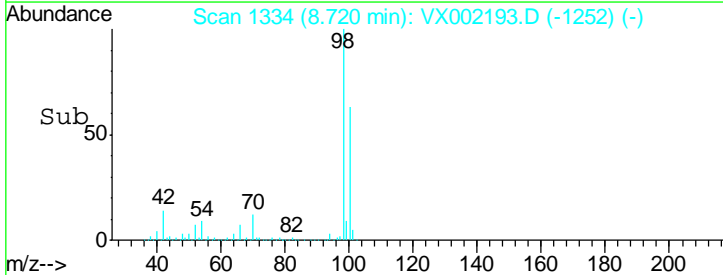
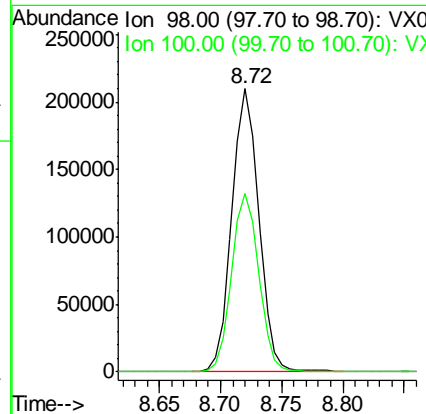
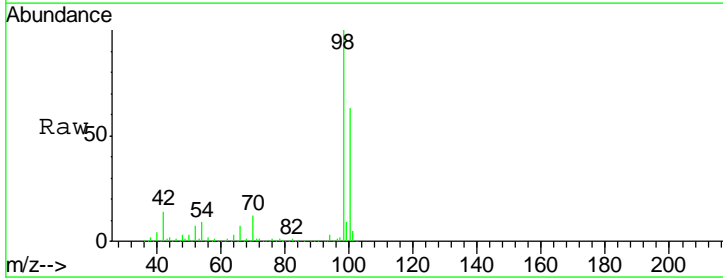
Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

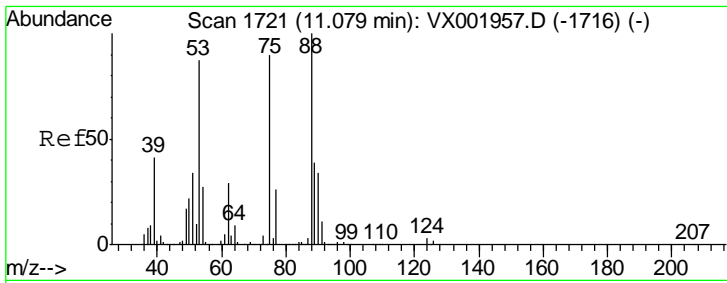
Tgt Ion	Resp	Lower	Upper
95	106962		
174	92.3	71.8	107.6
176	89.6	70.1	105.1



#63
 Toluene-d8
 Concen: 30.74 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Tgt Ion	Resp	Lower	Upper
98	321304		
100	63.8	50.8	76.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.84 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002193.D
 Acq: 31 May 2018 23:03

Instrument :
 MSVOA_X
 ClientSampled :
 14B-2

Tgt Ion	Resp	Lower	Upper
75	58379		
75	100		
53	0.0	48.3	144.9#
89	0.0	21.8	65.4#

