

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049883.D
 Acq On : 18 Jul 2018 19:47
 Operator : MD\SY
 Sample : PB111206ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :

Quant Time: Jul 19 01:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	553272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	946442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	792643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412510	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.59	113	356845	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
50) Toluene-d8	10.09	98	1250149	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	
62) 4-Bromofluorobenzene	12.40	95	349099	35.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.02%	

Target Compounds

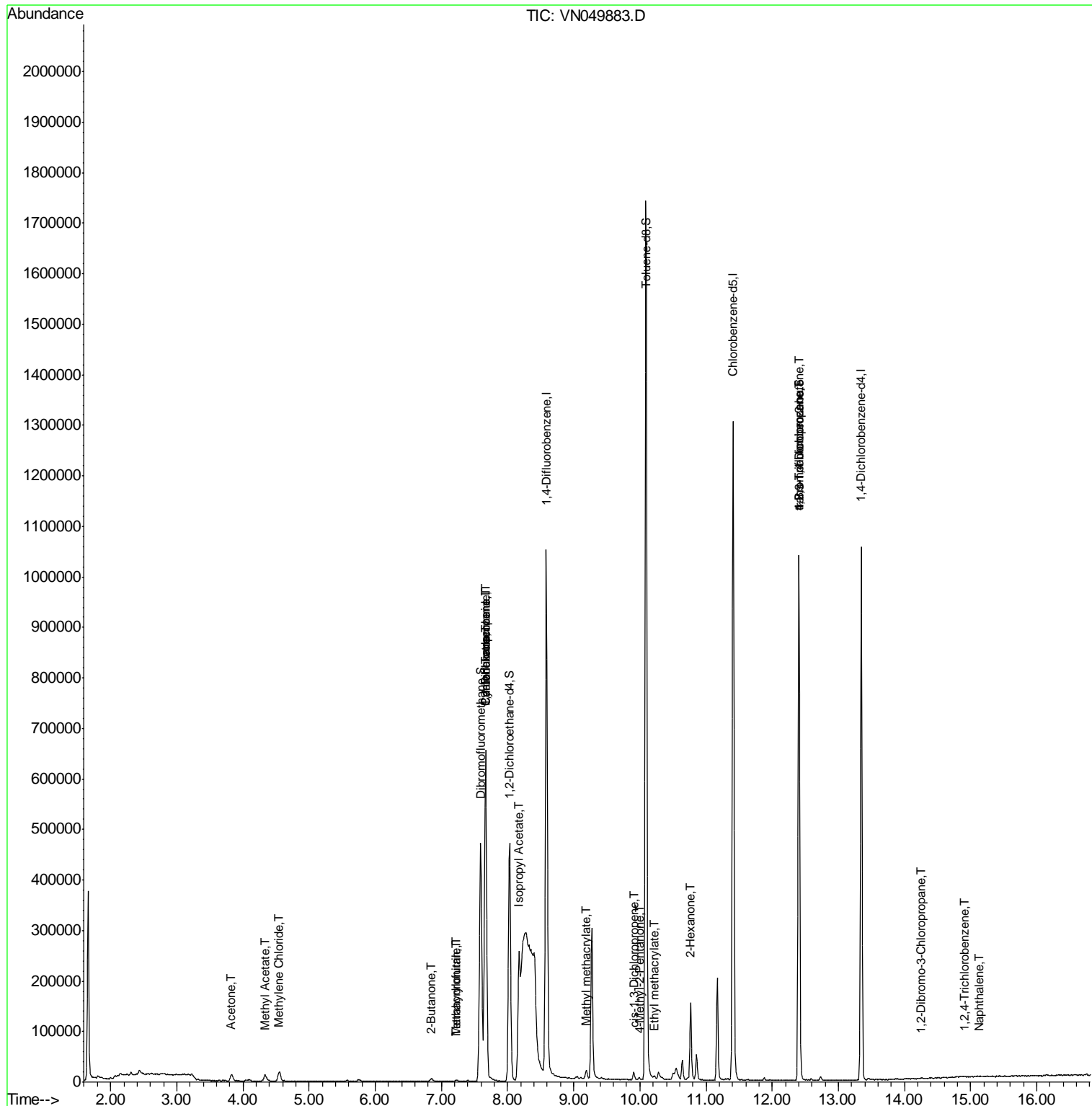
	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	313	Below Cal	#	71
16) Acetone	3.82	43	22998	11.68	ug/l	95
18) Methyl Acetate	4.34	43	23110	2.96	ug/l	99
20) Methylene Chloride	4.55	84	13976	1.87	ug/l	94
25) 2-Butanone	6.85	43	4498	1.60	ug/l	# 83
29) Tetrahydrofuran	7.22	42	1522	0.86	ug/l	# 67
31) Cyclohexane	7.67	56	10935	1.08	ug/l	# 1
36) 1,1-Dichloropropene	7.66	75	39275	3.73	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	51425	4.56	ug/l	# 16
41) Methacrylonitrile	7.23	41	1062	0.29	ug/l	# 40
43) Isopropyl Acetate	8.17	43	309366	24.50	ug/l	93
48) Methyl methacrylate	9.18	41	9396	1.48	ug/l	# 23
51) 4-Methyl-2-Pentanone	9.99	43	2908	0.41	ug/l	87
54) cis-1,3-Dichloropropene	9.91	75	2573	0.21	ug/l	# 73
56) Ethyl methacrylate	10.23	69	3197	2.45	ug/l	# 89
59) 2-Hexanone	10.77	43	21252	4.48	ug/l	# 61
76) 1,2,3-Trichloropropane	12.40	75	169693	30.46	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	169693	95.24	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	414	0.40	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.90	180	100	3.49	ug/l	# 26
95) Naphthalene	15.13	128	296	4.51	ug/l	# 69

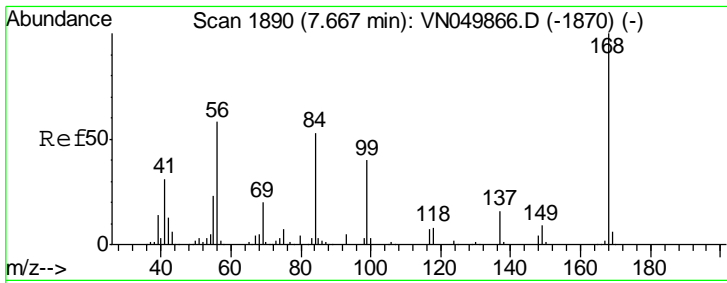
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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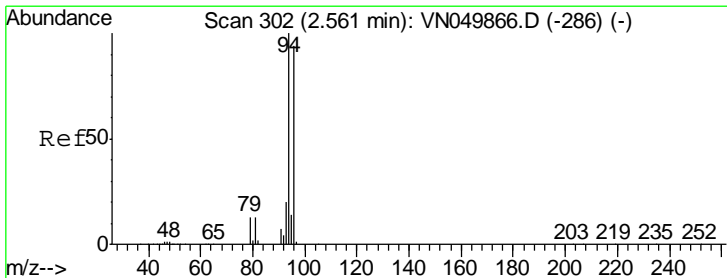
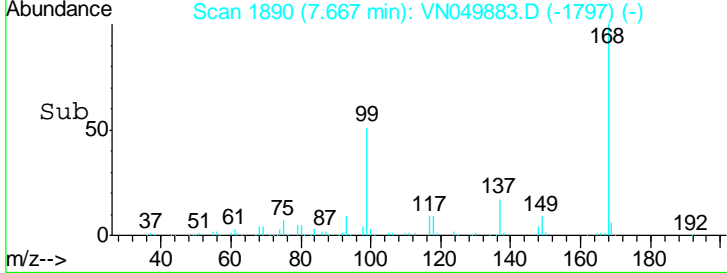
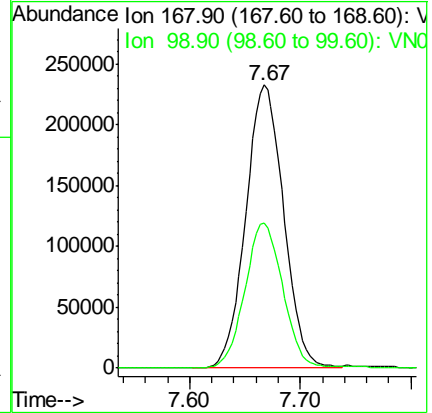
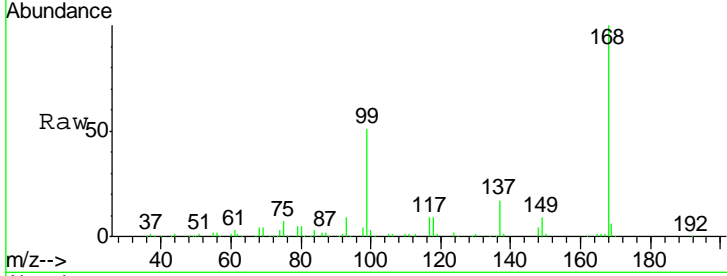




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

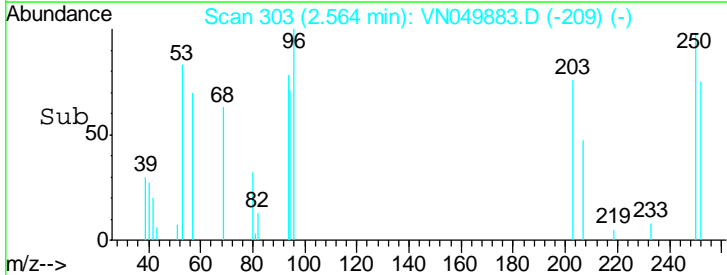
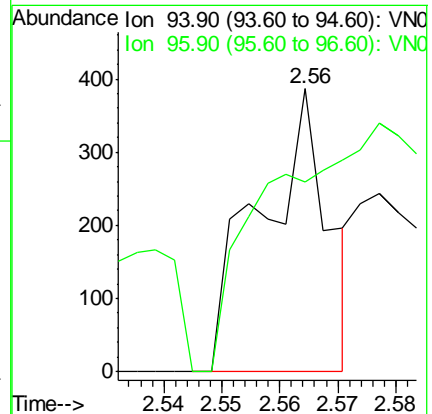
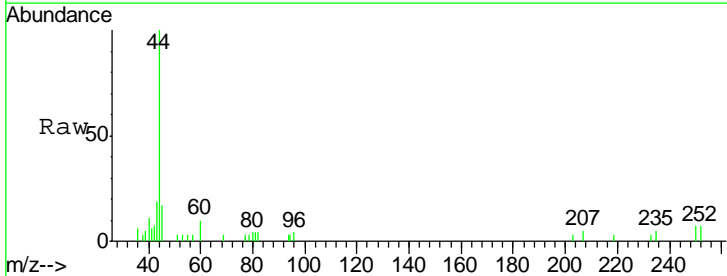
Instrument :
 MSVOA_N
 ClientSampled :

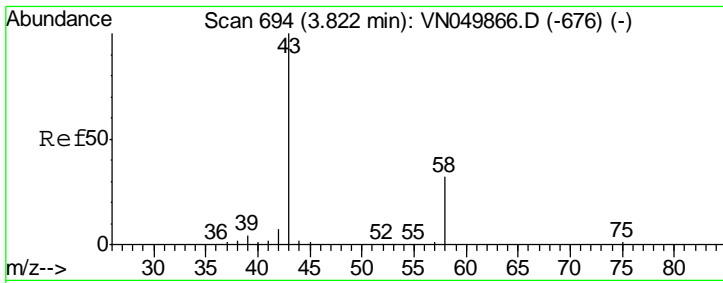
Tgt Ion: 168 Resp: 553272
 Ion Ratio Lower Upper
 168 100
 99 51.4 40.6 61.0



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 94 Resp: 313
 Ion Ratio Lower Upper
 94 100
 96 66.9 75.7 113.5#

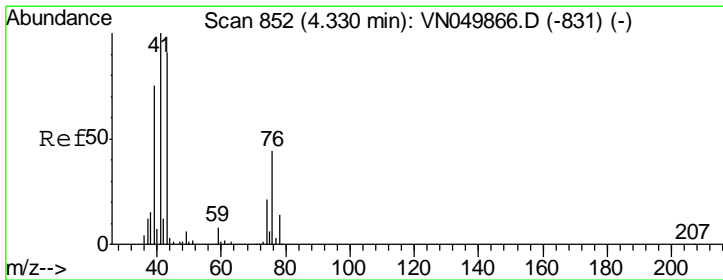
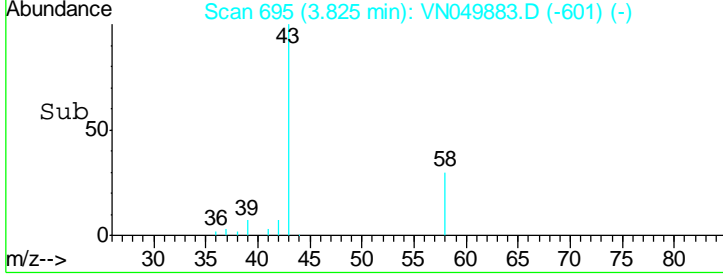
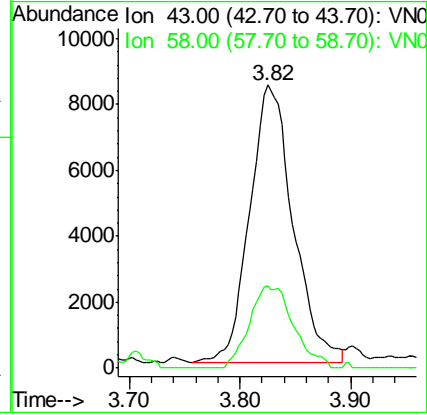
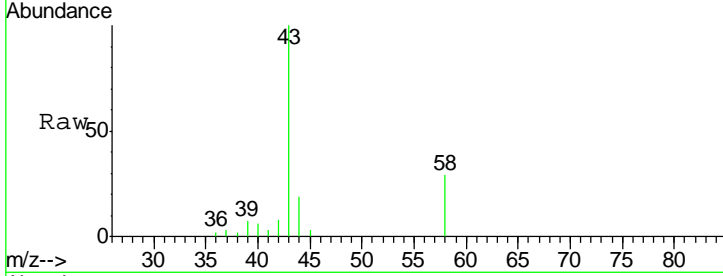




#16
 Acetone
 Concen: 11.68 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

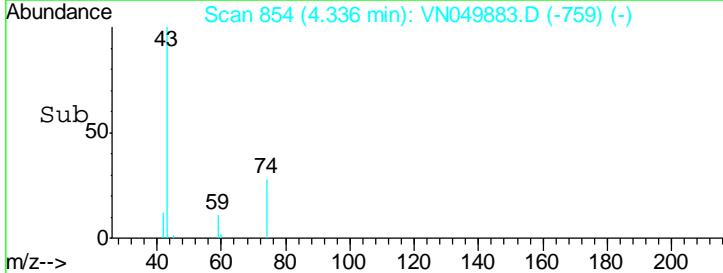
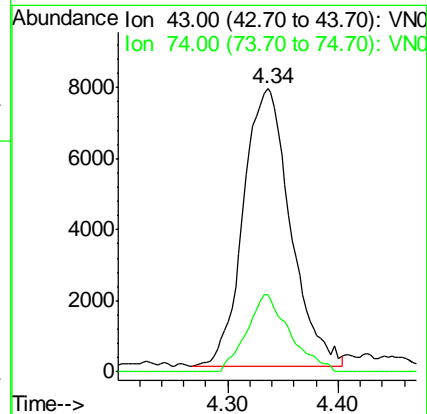
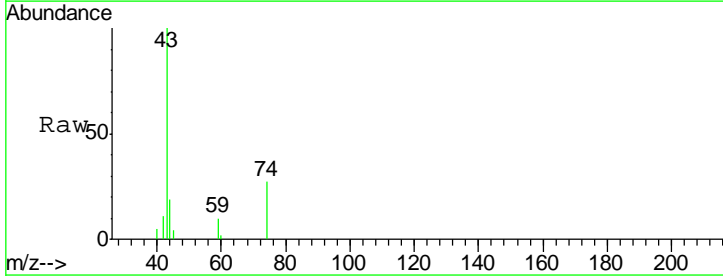
Instrument :
 MSVOA_N
 ClientSampled :

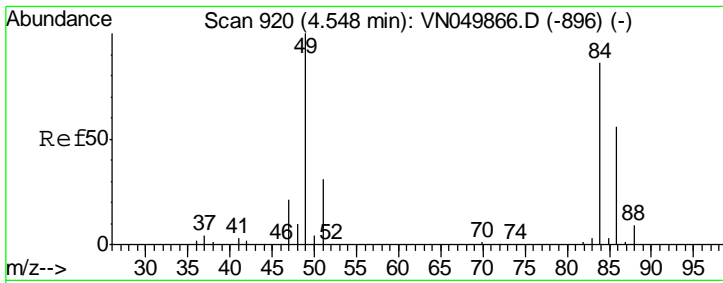
Tgt Ion	Resp	Lower	Upper
43	100		
58	29.7	25.9	38.9



#18
 Methyl Acetate
 Concen: 2.96 ug/l
 RT: 4.34 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
43	100		
74	25.4	19.8	29.8



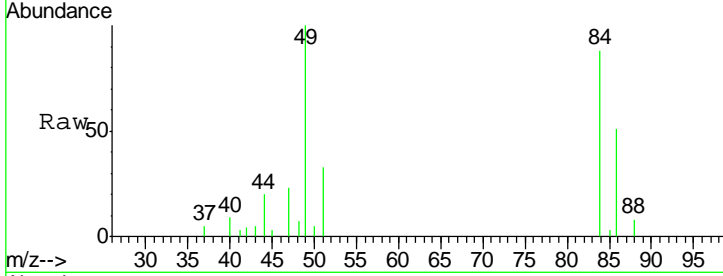


#20
 Methylene Chloride
 Concen: 1.87 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

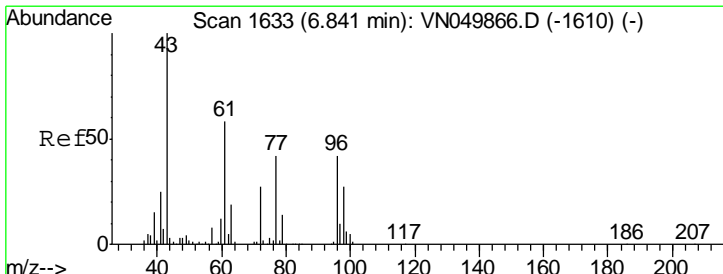
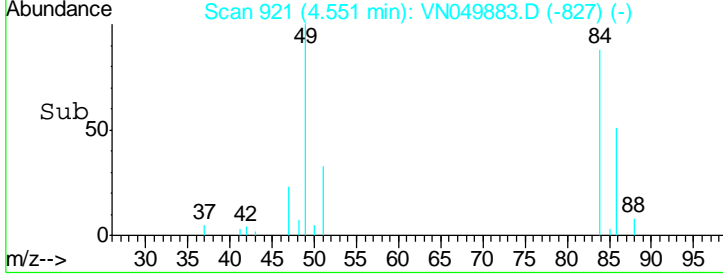
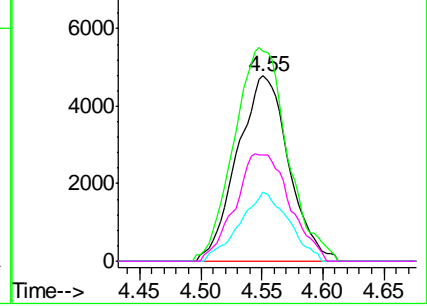
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 84 Resp: 13976

Ion	Ratio	Lower	Upper
84	100		
49	113.6	95.4	143.2
51	37.1	28.4	42.6
86	57.7	52.6	79.0



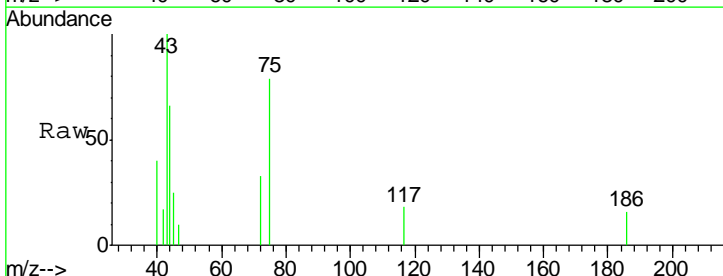
Abundance Ion 83.90 (83.60 to 84.60): VNC
 Ion 48.90 (48.60 to 49.60): VNC
 Ion 50.90 (50.60 to 51.60): VNC
 Ion 85.90 (85.60 to 86.60): VNC



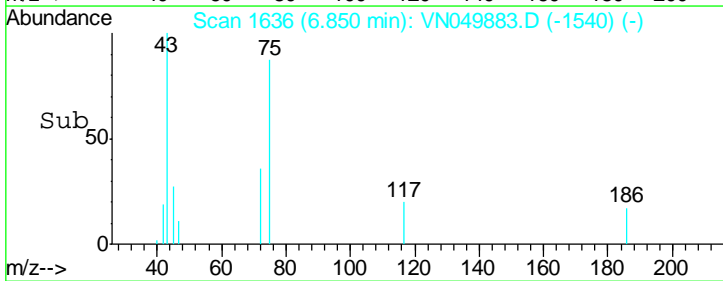
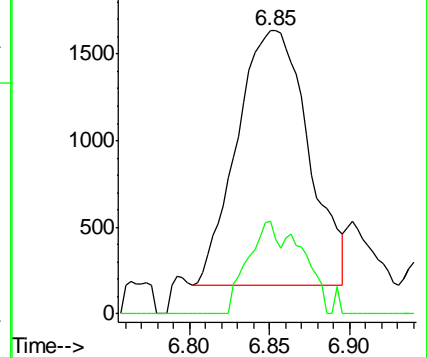
#25
 2-Butanone
 Concen: 1.60 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

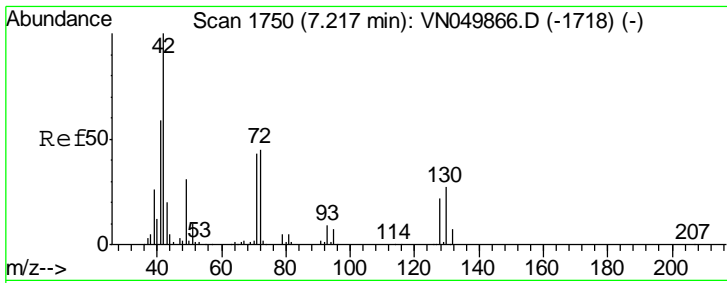
Tgt Ion: 43 Resp: 4498

Ion	Ratio	Lower	Upper
43	100		
72	36.7	22.1	33.1#



Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 72.00 (71.70 to 72.70): VNC

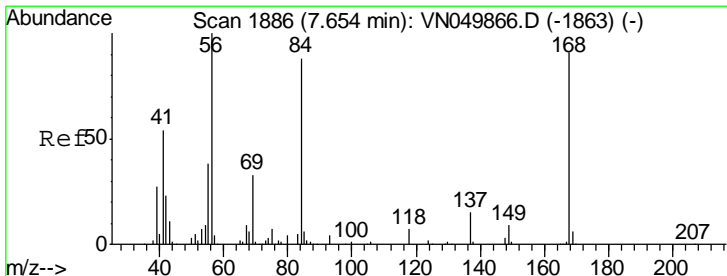
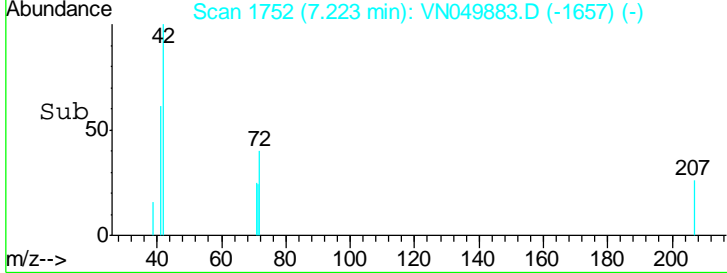
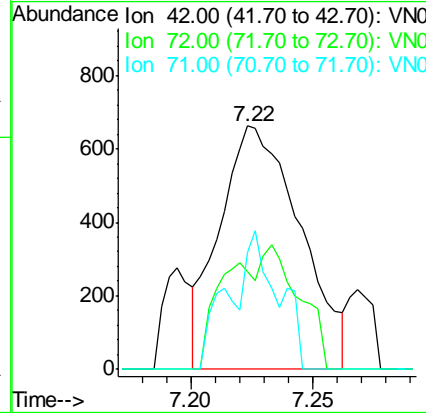
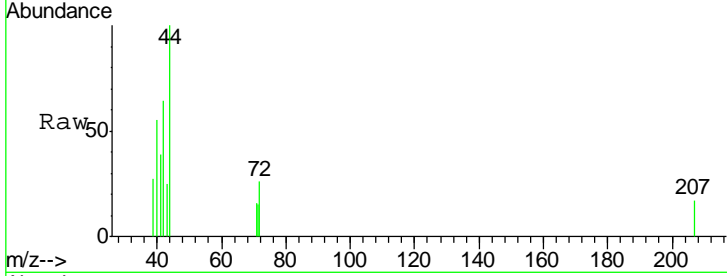




#29
 Tetrahydrofuran
 Concen: 0.86 ug/l
 RT: 7.22 min Scan# 1752
 Delta R.T. 0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

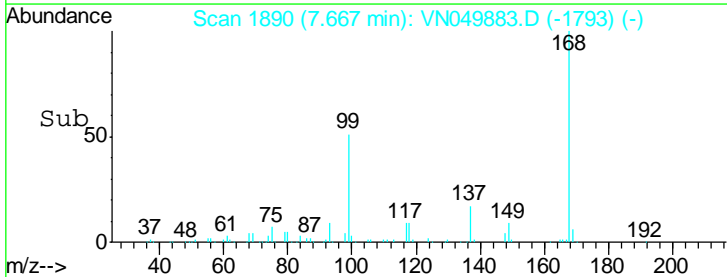
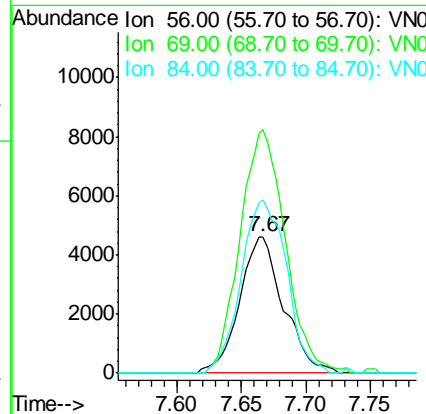
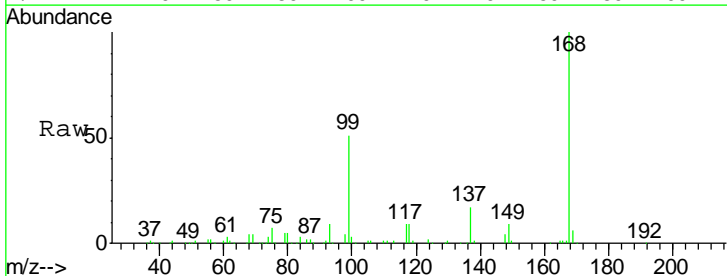
Instrument :
 MSVOA_N
 ClientSampled :

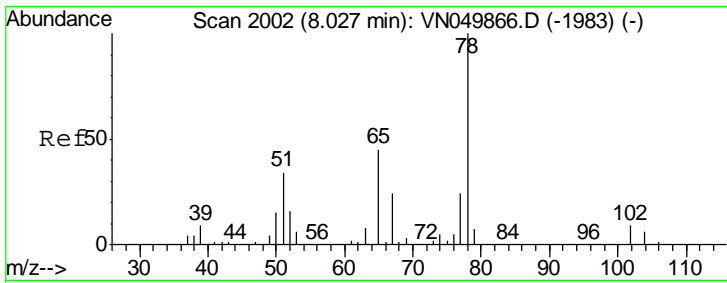
Tgt Ion	Resp	Lower	Upper
42	1522		
72	21.7	35.6	53.4#
71	22.6	34.0	51.0#



#31
 Cyclohexane
 Concen: 1.08 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
56	10935		
69	178.4	26.6	40.0#
84	127.0	69.0	103.6#

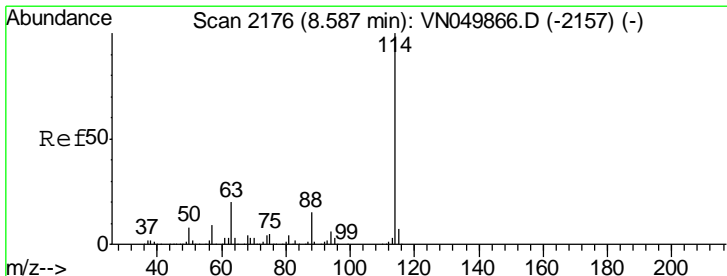
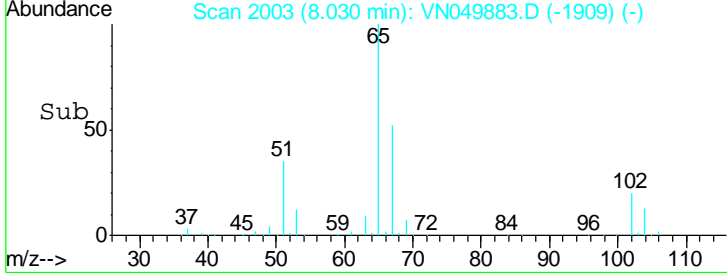
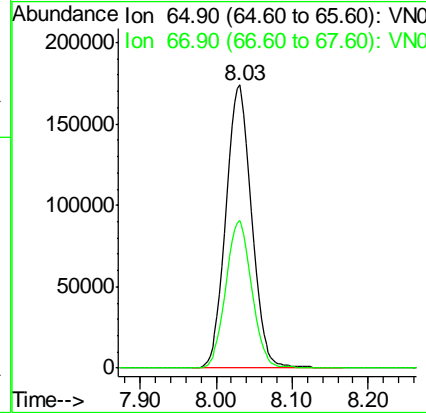
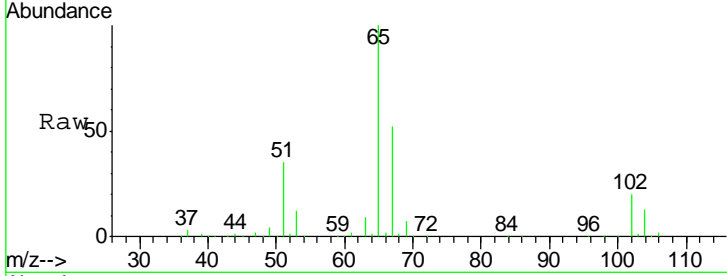




#33
 1,2-Dichloroethane-d4
 Concen: 54.25 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

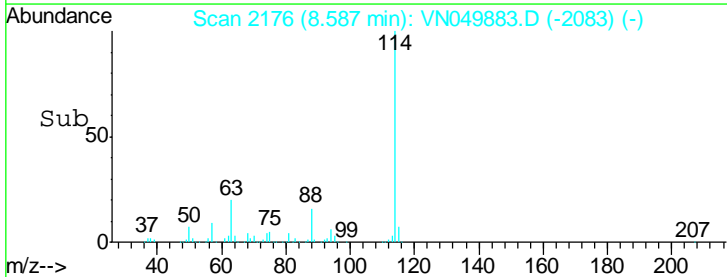
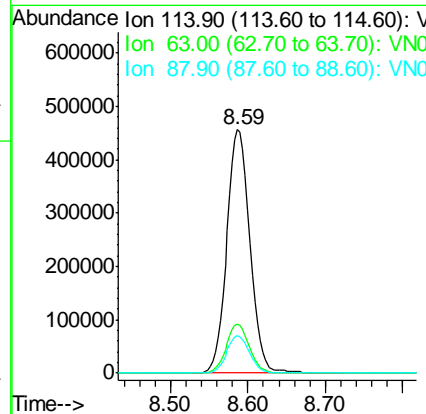
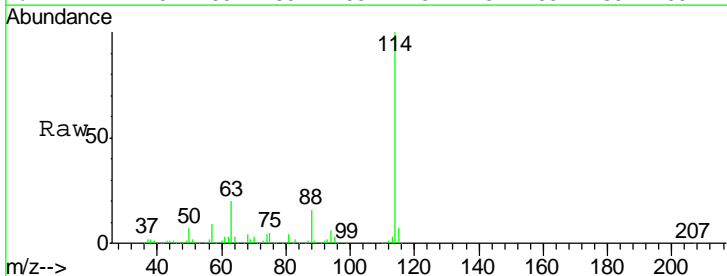
Instrument :
 MSVOA_N
 ClientSampled :

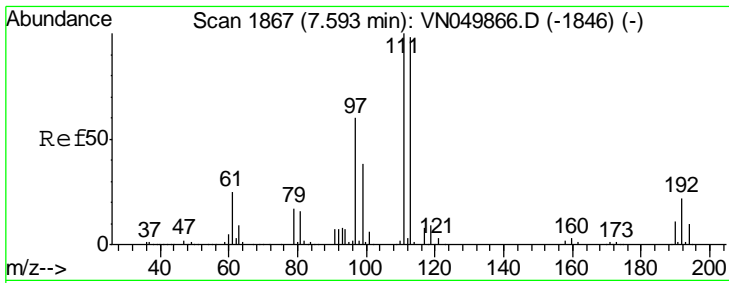
Tot Ion: 65 Resp: 412510
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 114 Resp: 946442
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.5 0.0 30.6

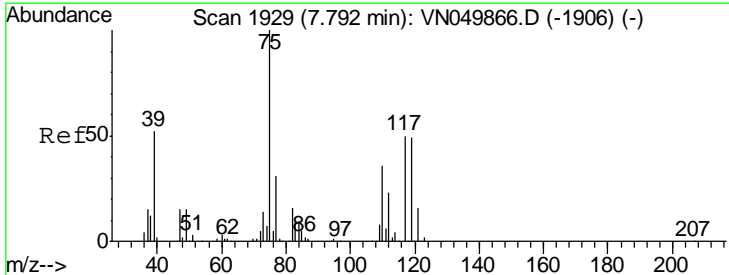
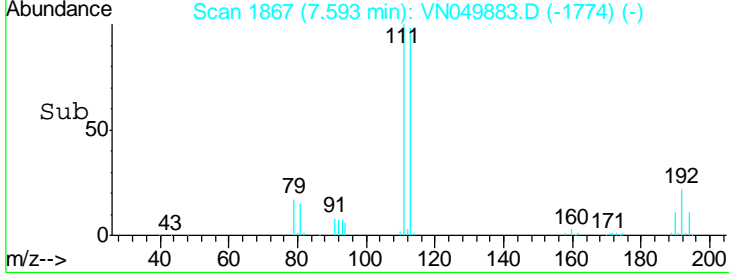
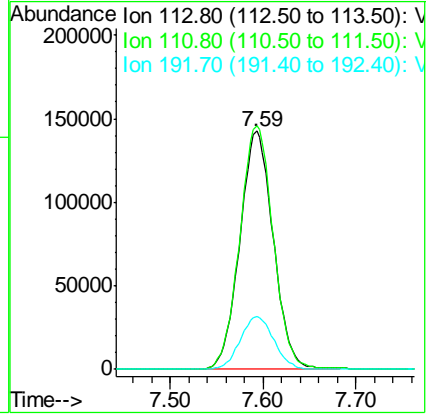
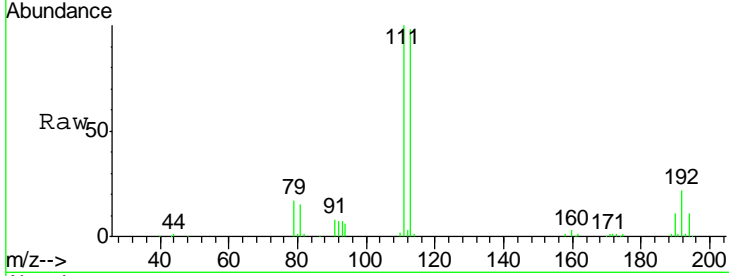




#35
 Dibromofluoromethane
 Concen: 44.91 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

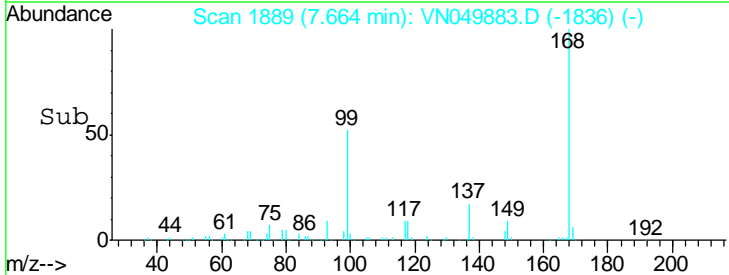
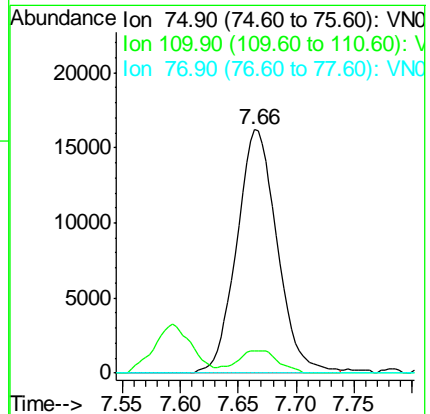
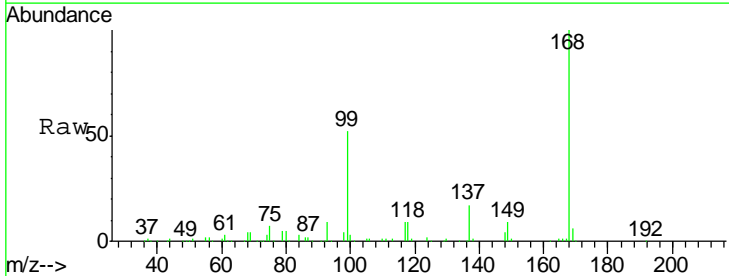
Instrument :
 MSVOA_N
 ClientSampled :

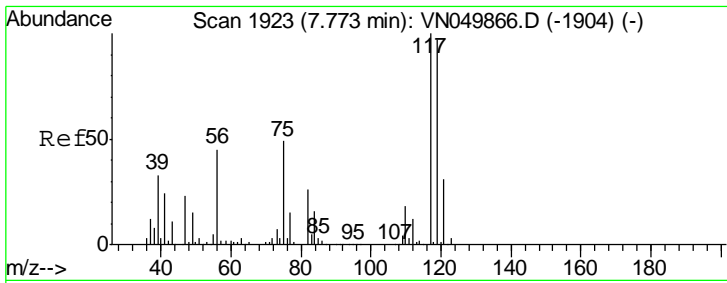
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
75	100		
110	9.0	18.1	54.4#
77	0.0	24.9	37.3#

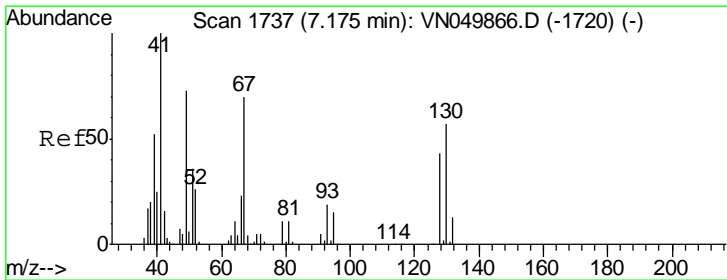
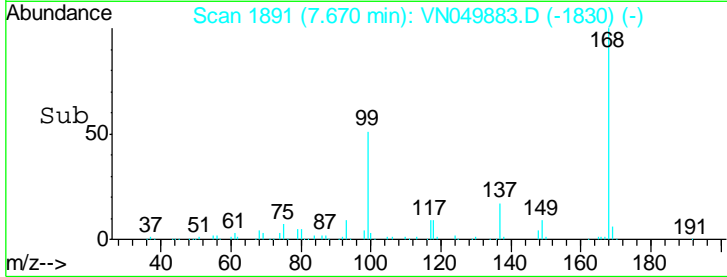
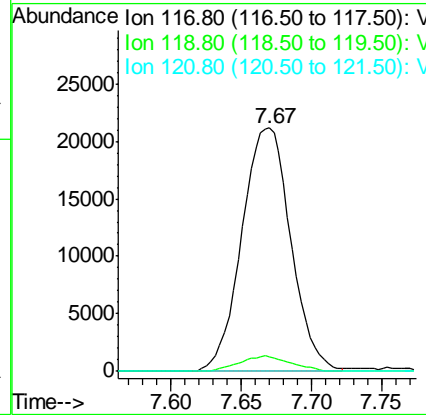
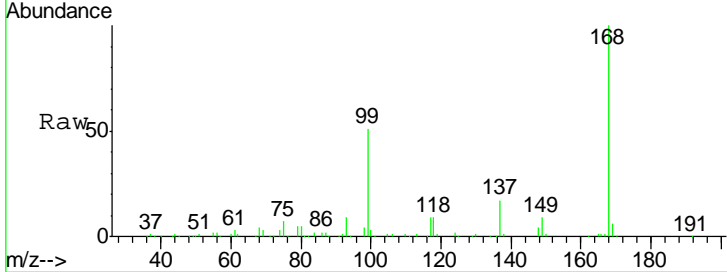




#38
 Carbon Tetrachloride
 Concen: 4.56 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.10 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

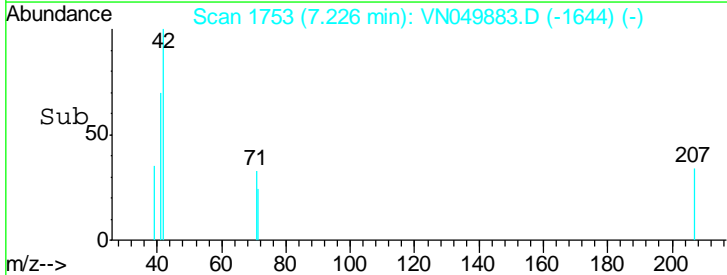
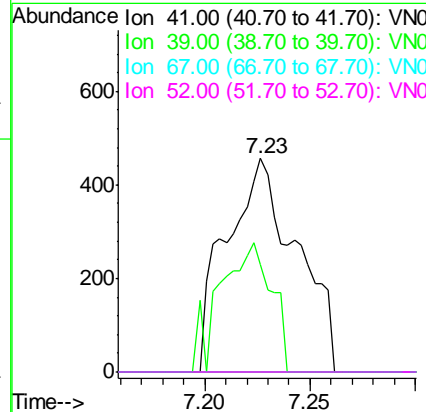
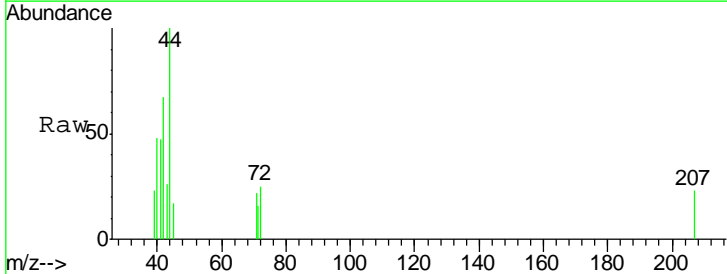
Instrument :
 MSVOA_N
 ClientSampled :

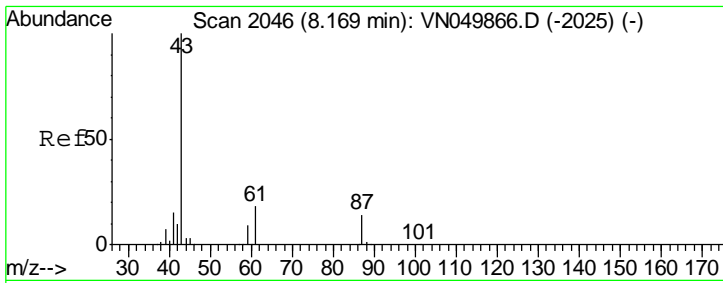
Tgt Ion	Resp	Lower	Upper
117	100		
119	6.1	77.2	115.8#
121	0.0	25.0	37.6#



#41
 Methacrylonitrile
 Concen: 0.29 ug/l
 RT: 7.23 min Scan# 1753
 Delta R.T. 0.05 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
41	100		
39	44.0	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#

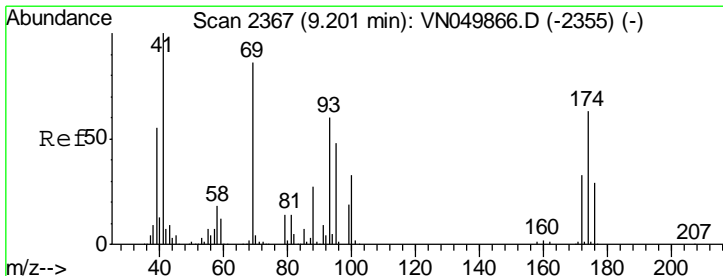
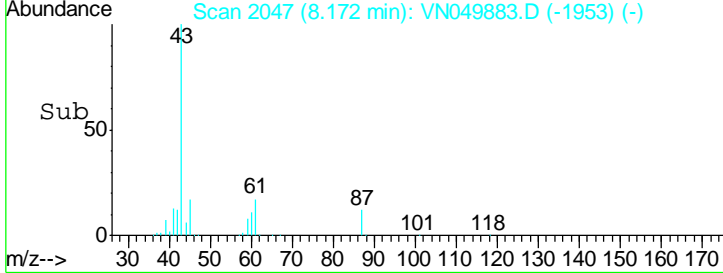
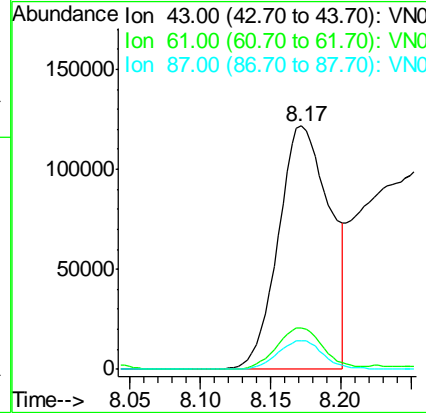
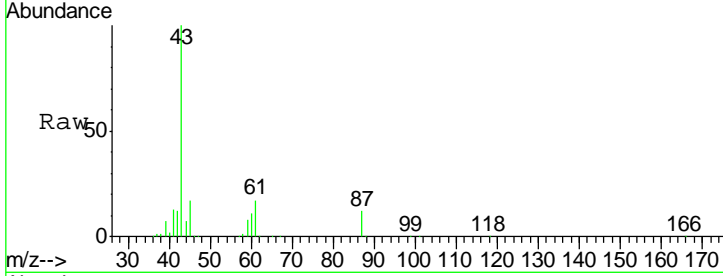




#43
 Isopropyl Acetate
 Concen: 24.50 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

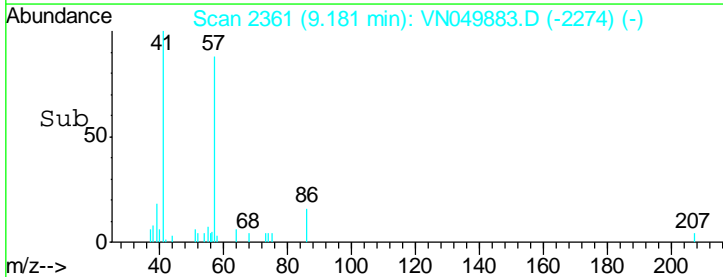
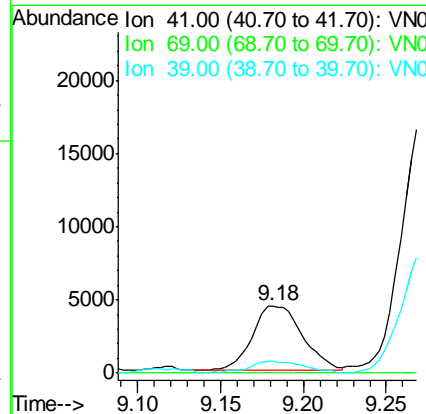
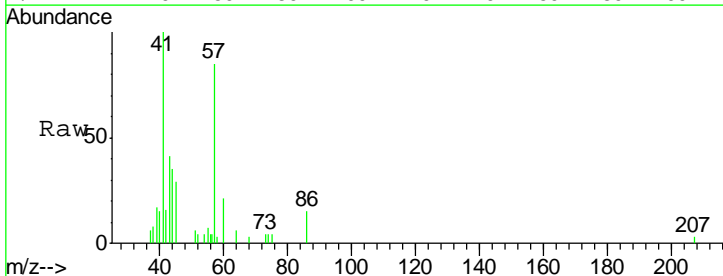
Instrument :
 MSVOA_N
 ClientSampled :

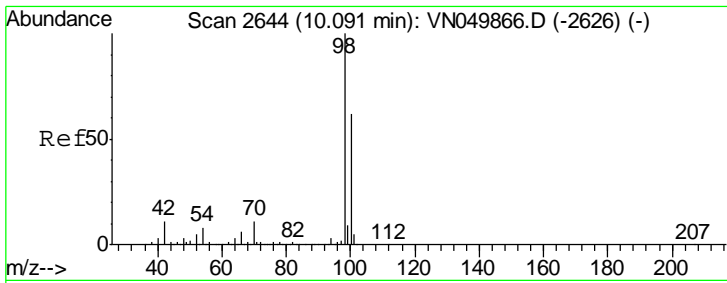
Tgt Ion	Resp	Lower	Upper
43	100		
61	15.3	14.9	22.3
87	10.4	10.0	15.0



#48
 Methyl methacrylate
 Concen: 1.48 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
41	100		
69	0.0	71.5	107.3#
39	20.3	44.7	67.1#

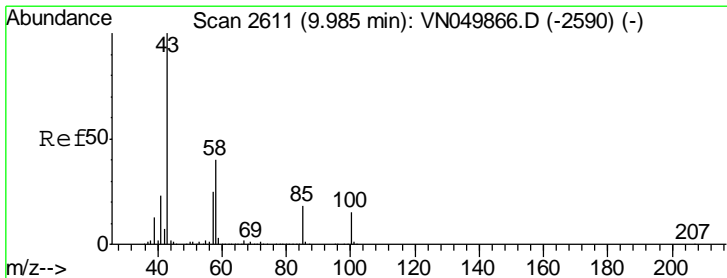
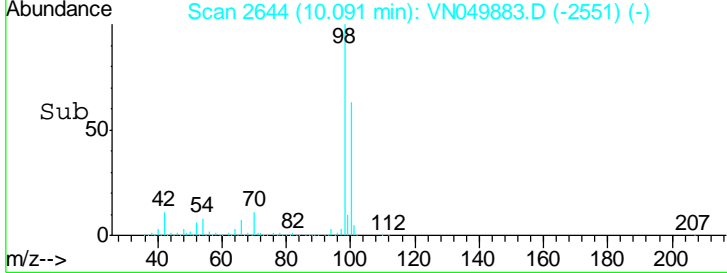
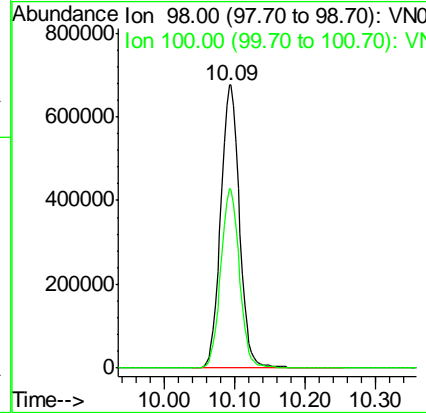
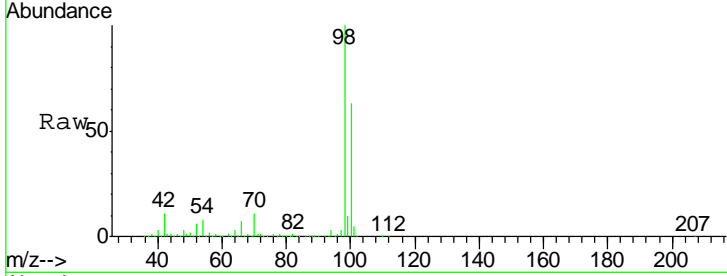




#50
 Toluene-d8
 Concen: 43.18 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

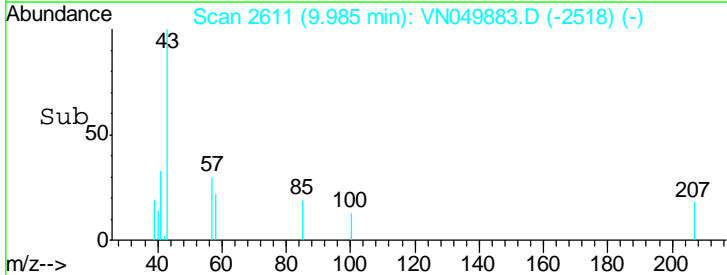
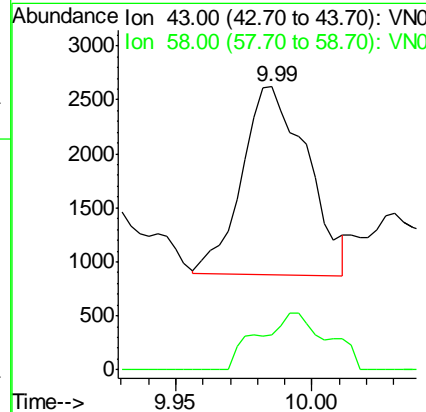
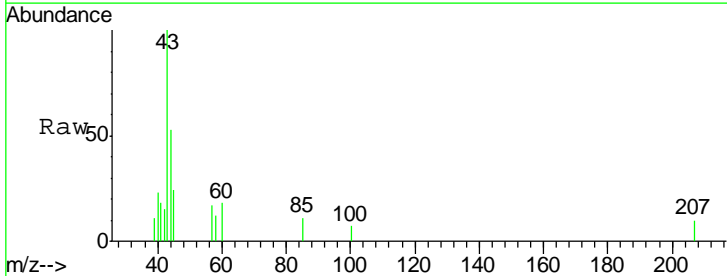
Instrument :
 MSVOA_N
 ClientSampled :

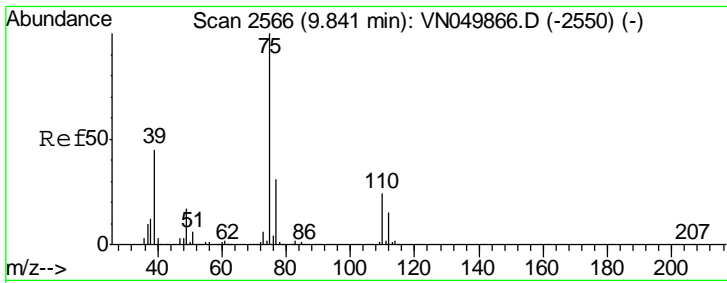
Tgt Ion: 98 Resp: 1250149
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.7 77.5



#51
 4-Methyl-2-Pentanone
 Concen: 0.41 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 43 Resp: 2908
 Ion Ratio Lower Upper
 43 100
 58 31.9 31.8 47.8

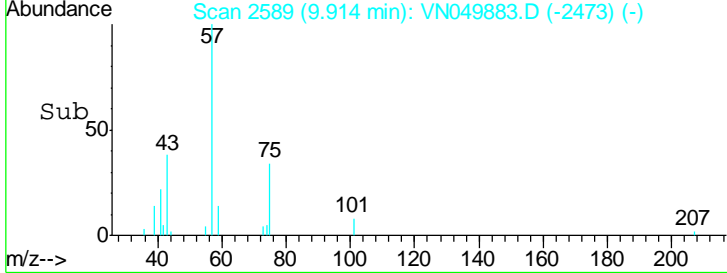
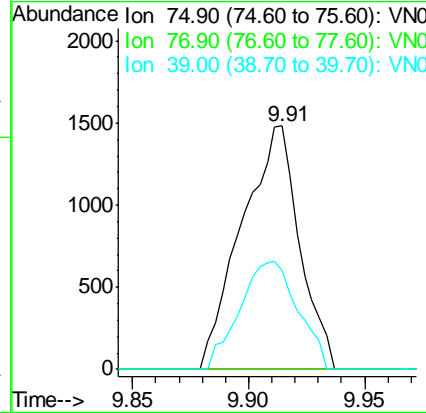
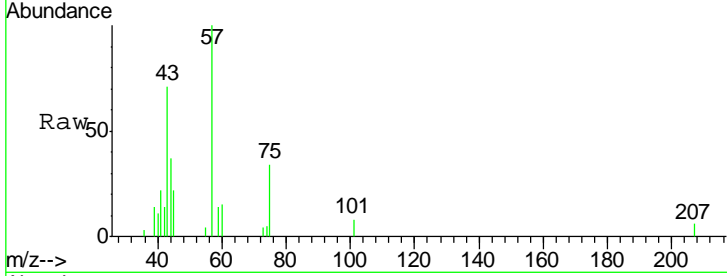




#54
 cis-1,3-Dichloropropene
 Concen: 0.21 ug/l
 RT: 9.91 min Scan# 2589
 Delta R.T. 0.07 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

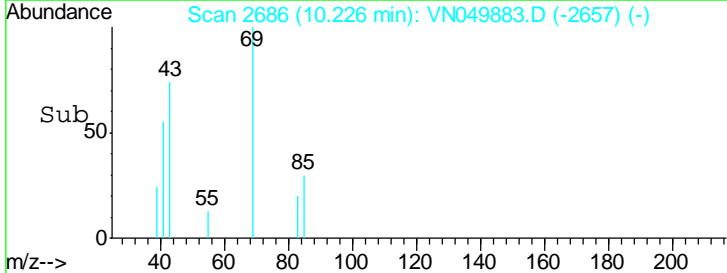
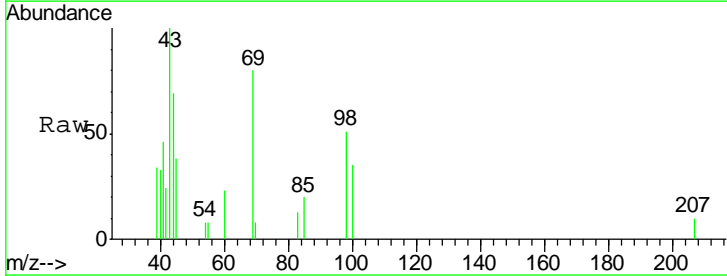
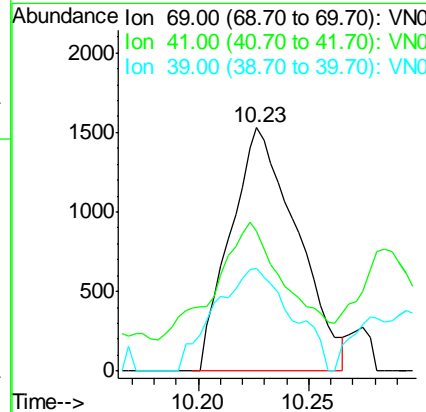
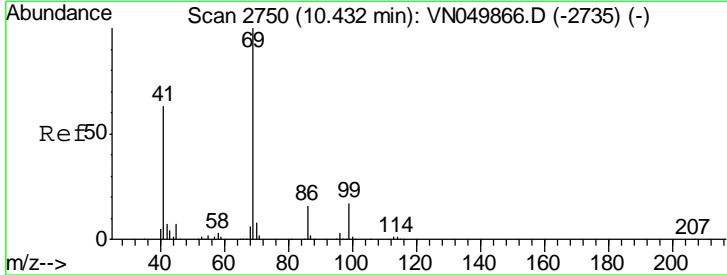
Instrument : MSVOA_N
 ClientSampled :

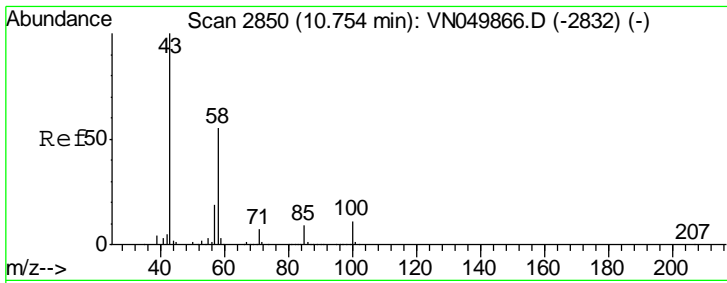
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	25.3	37.9#
39	40.6	35.5	53.3



#56
 Ethyl methacrylate
 Concen: 2.45 ug/l
 RT: 10.23 min Scan# 2686
 Delta R.T. -0.21 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
69	100		
41	62.6	51.6	77.4
39	48.6	25.8	38.8#

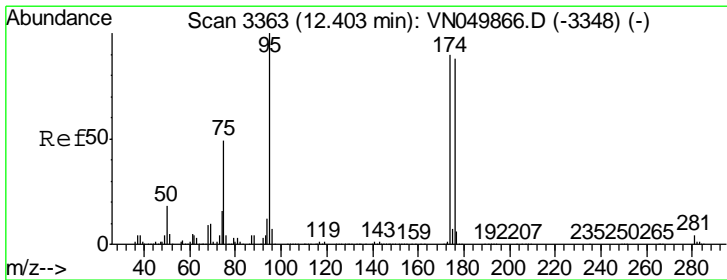
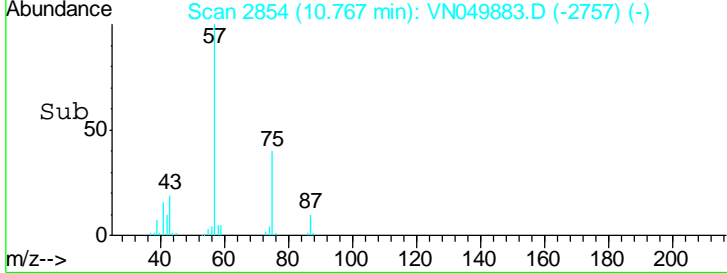
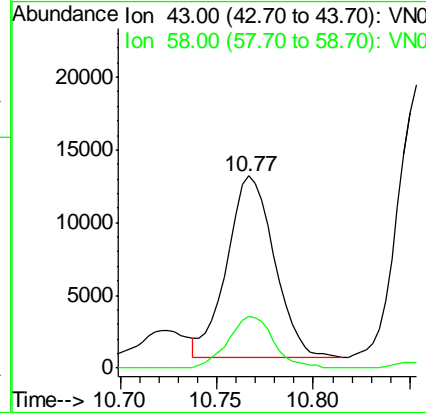
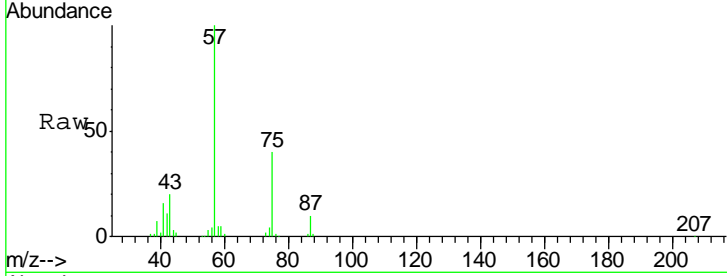




#59
 2-Hexanone
 Concen: 4.48 ug/l
 RT: 10.77 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

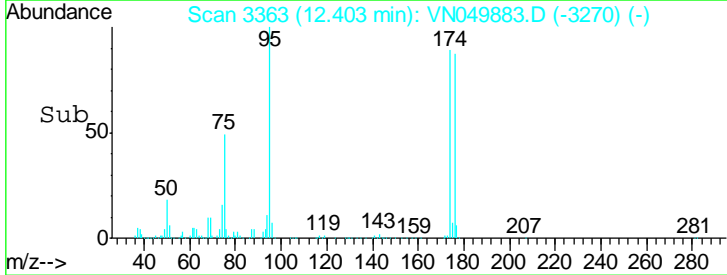
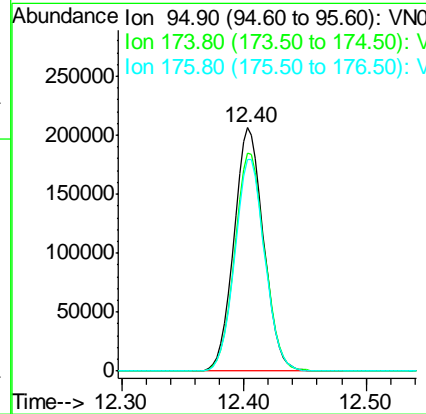
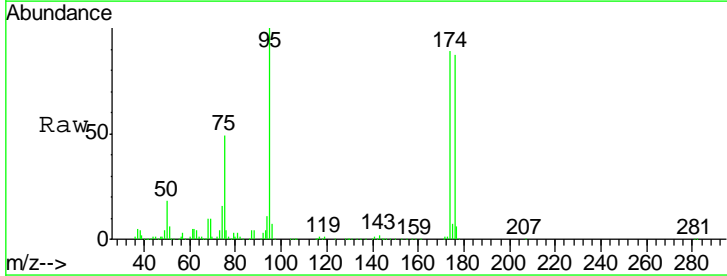
Instrument : MSVOA_N
 ClientSampled :

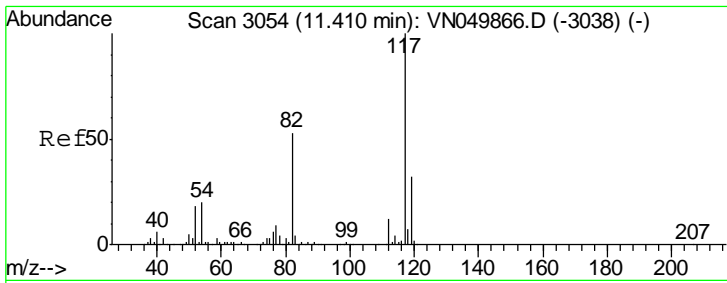
Tgt Ion: 43 Resp: 21252
 Ion Ratio Lower Upper
 43 100
 58 27.5 27.8 83.4#



#62
 4-Bromofluorobenzene
 Concen: 35.01 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 95 Resp: 349099
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 179.6
 176 87.8 0.0 174.0

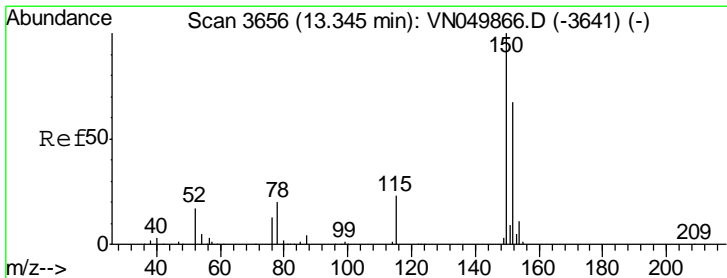
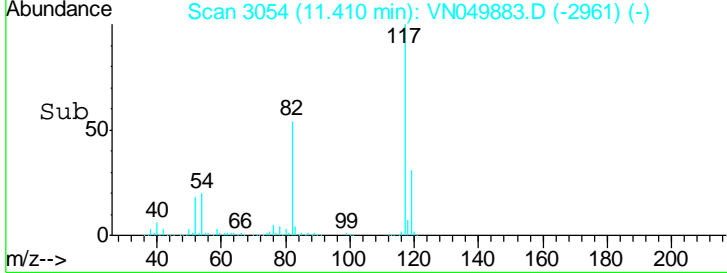
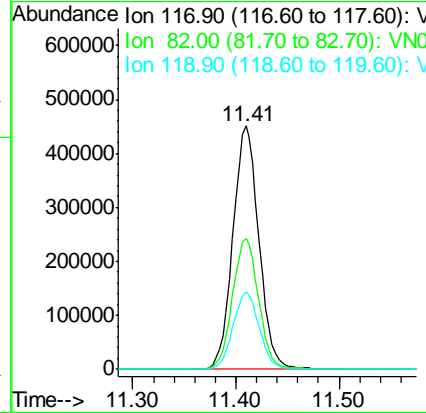
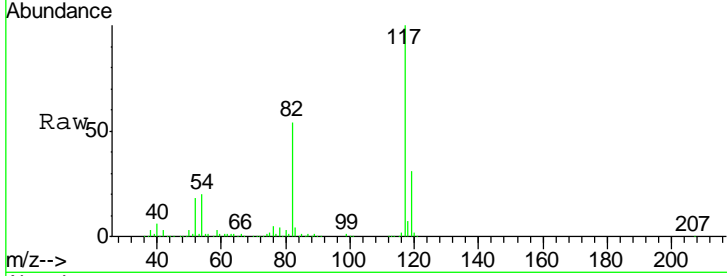




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

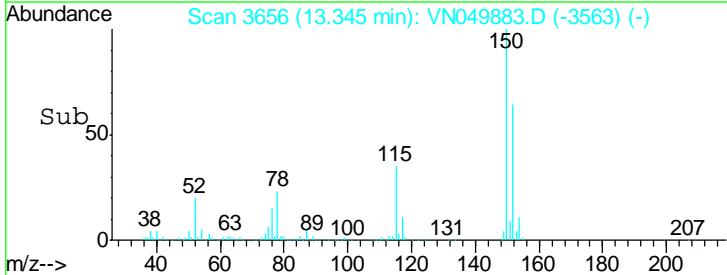
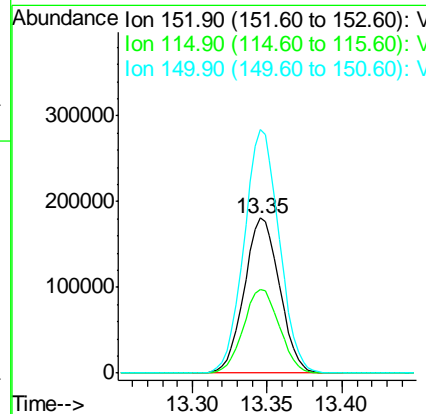
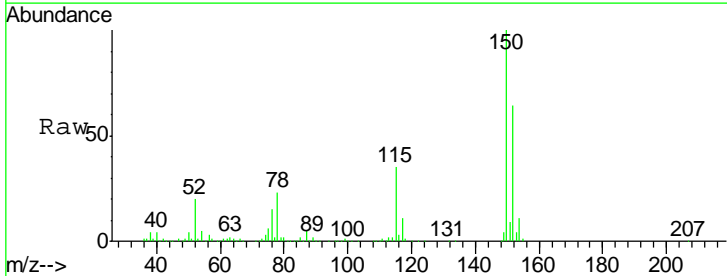
Instrument :
 MSVOA_N
 ClientSampled :

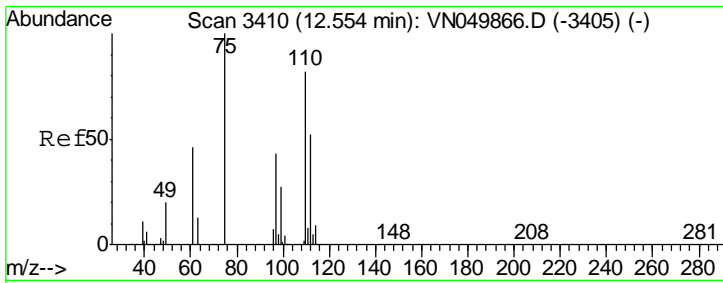
Tgt Ion	Resp	Lower	Upper
117	792643		
82	54.0	41.9	62.9
119	31.5	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
152	296991		
115	55.0	28.1	84.2
150	156.1	0.0	347.6

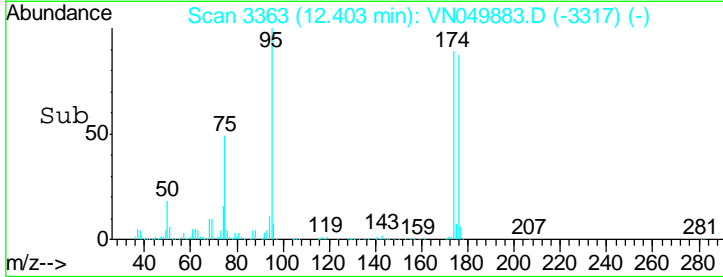
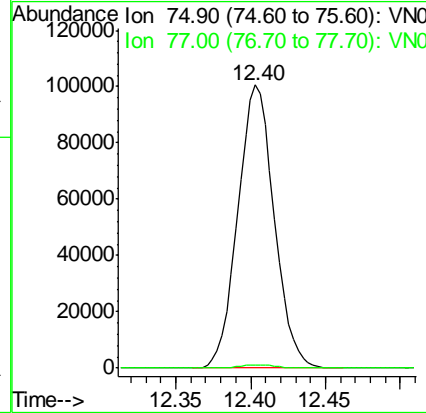
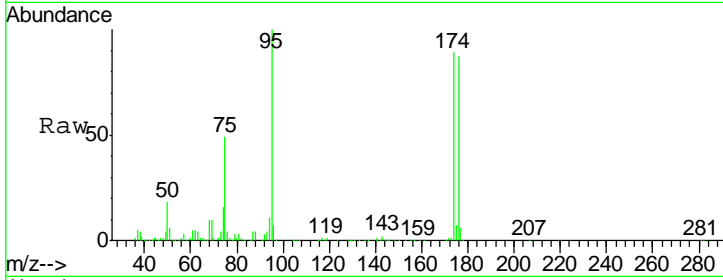




#76
 1,2,3-Trichloropropane
 Concen: 30.46 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

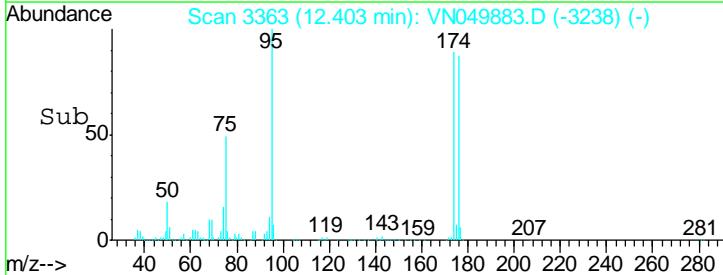
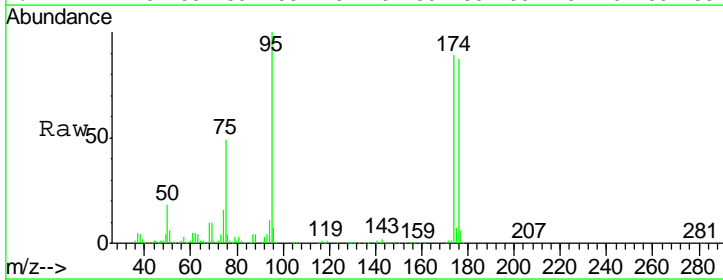
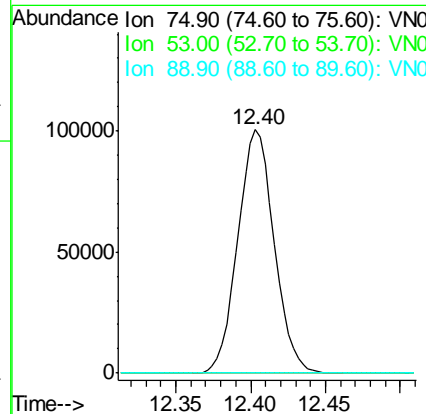
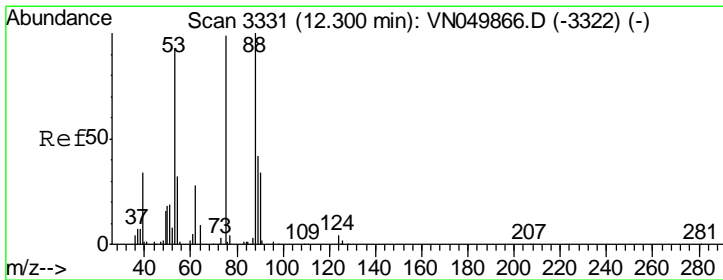
Instrument :
 MSVOA_N
 ClientSampled :

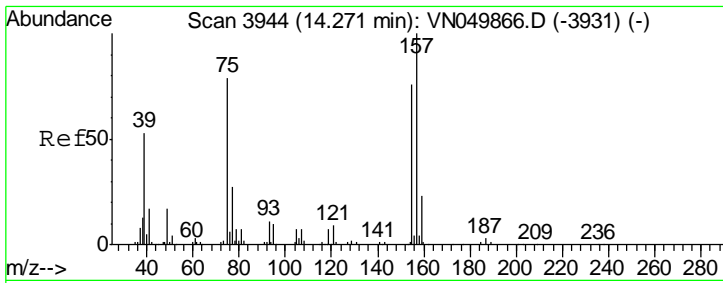
Tgt Ion	Resp	Lower	Upper
75	100		
77	1.2	0.0	0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.24 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.3	73.9	110.9#
89	0.0	35.9	53.9#

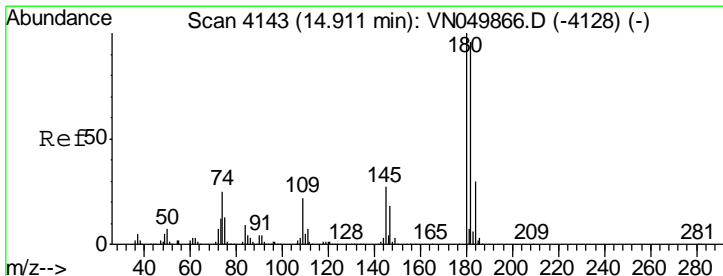
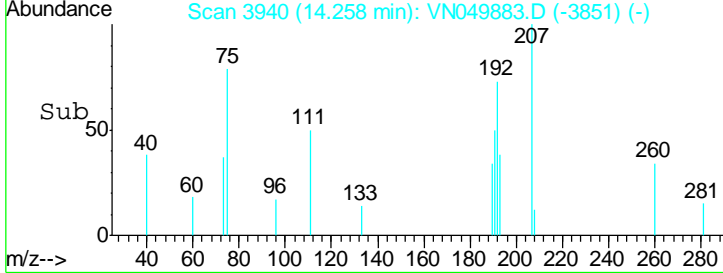
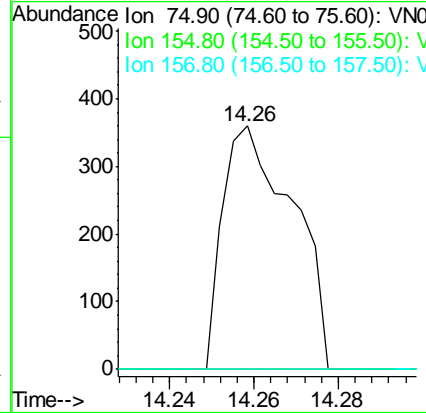
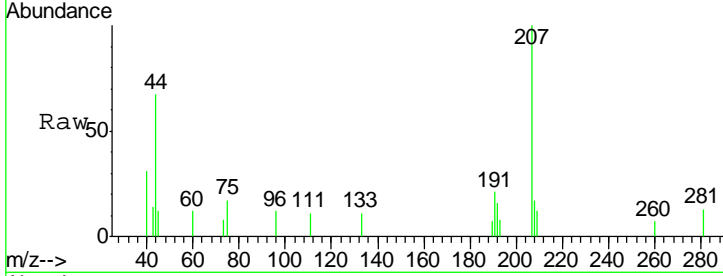




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.40 ug/l
 RT: 14.26 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

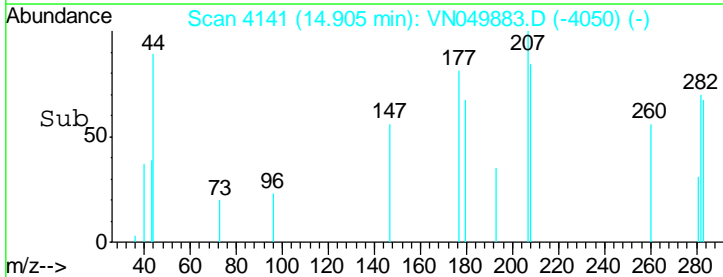
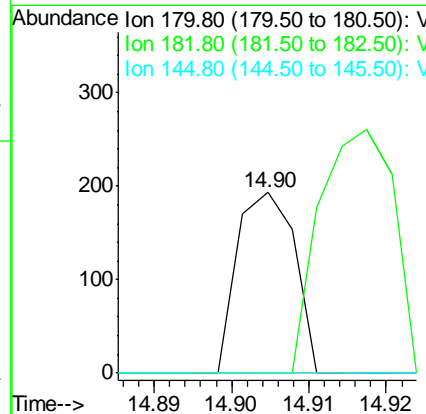
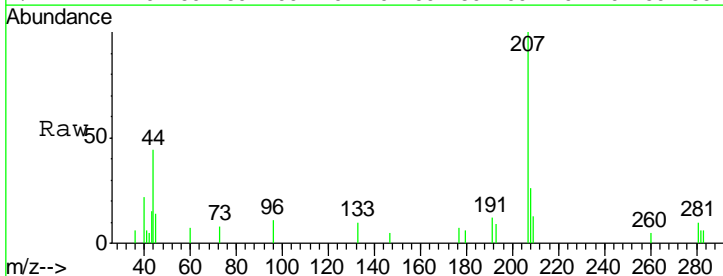
Instrument :
 MSVOA_N
 ClientSampled :

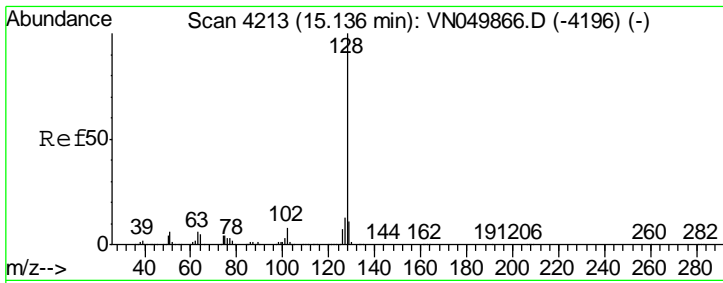
Tgt Ion	Resp	Lower	Upper
75	100		
155	0.0	45.7	137.1#
157	0.0	56.9	170.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.49 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Resp	Lower	Upper
180	100		
182	172.0	47.3	141.9#
145	0.0	14.4	43.0#





#95
 Naphthalene
 Concen: 4.51 ug/l
 RT: 15.13 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN049883.D
 Acq: 18 Jul 2018 19:47

Instrument : MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

