

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050272.D
 Acq On : 2 Aug 2018 18:39
 Operator : MD\SY
 Sample : PB111674ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111674ZHE#10

Quant Time: Aug 03 01:15:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	617865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1066609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	885153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	459604	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.59	113	406310	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.09	98	1425576	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
62) 4-Bromofluorobenzene	12.41	95	383574	36.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.76%	

Target Compounds

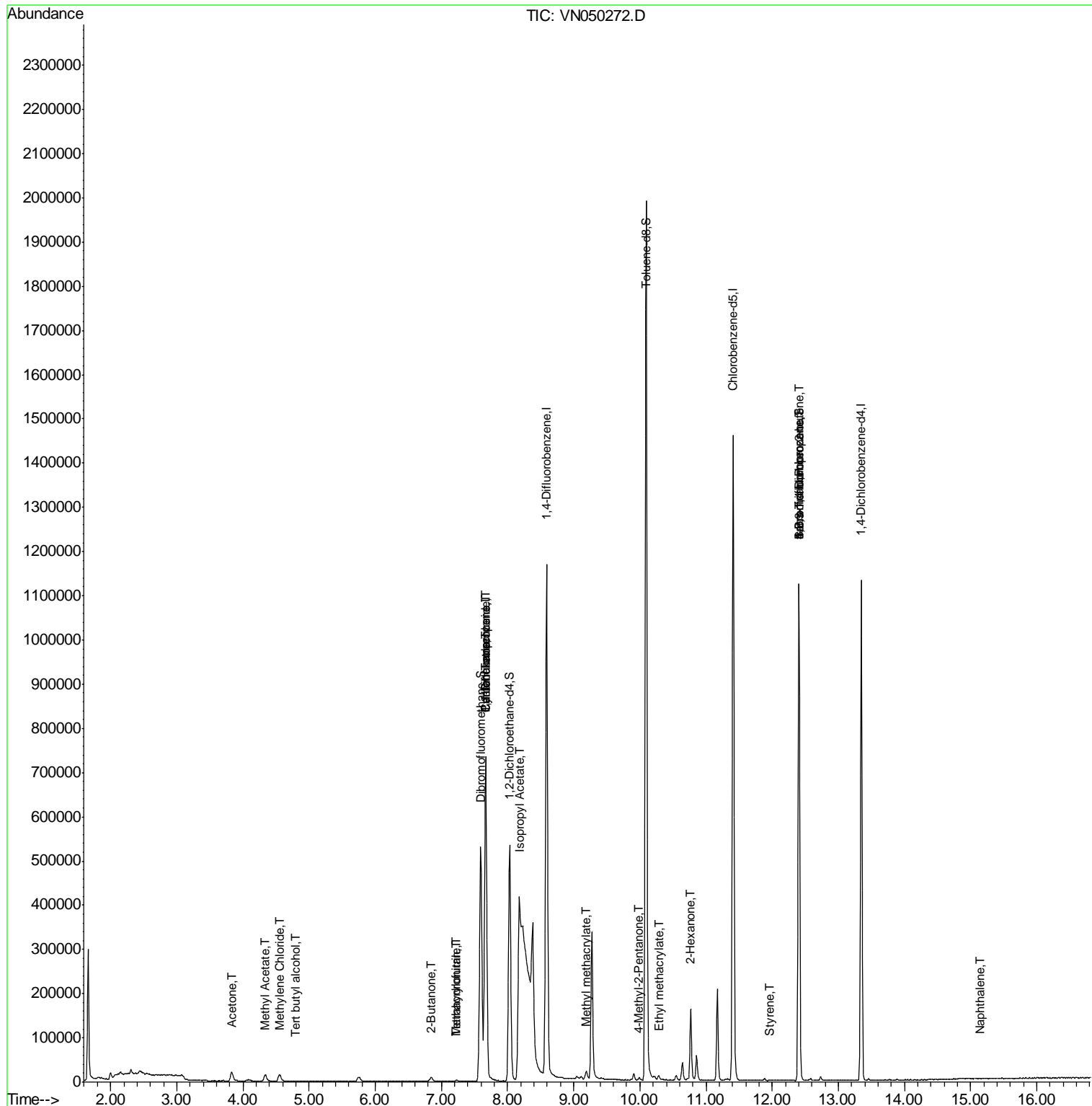
						Qvalue
5) Bromomethane	2.56	94	305	Below Cal	#	75
11) Tert butyl alcohol	4.80	59	518	0.82	ug/l #	72
16) Acetone	3.83	43	35017	13.13	ug/l	96
18) Methyl Acetate	4.34	43	28135	2.00	ug/l	97
20) Methylene Chloride	4.55	84	11698	0.28	ug/l	92
25) 2-Butanone	6.85	43	5711	1.74	ug/l	93
29) Tetrahydrofuran	7.22	42	1459	0.69	ug/l #	75
31) Cyclohexane	7.67	56	11535	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43748	3.64	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57612	4.52	ug/l #	15
41) Methacrylonitrile	7.23	41	1328	3.04	ug/l #	23
43) Isopropyl Acetate	8.18	43	566923	35.58	ug/l #	84
48) Methyl methacrylate	9.19	41	10394	1.44	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3502	0.43	ug/l	91
56) Ethyl methacrylate	10.29	69	191	2.05	ug/l #	1
59) 2-Hexanone	10.77	43	22853	8.87	ug/l #	62
70) Styrene	11.97	104	223	0.93	ug/l #	25
71) Bromoform	12.41	173	3247	0.52	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	225	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	185697	31.56	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185697	100.10	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	103	Below Cal	#	1
95) Naphthalene	15.14	128	697	4.46	ug/l #	69

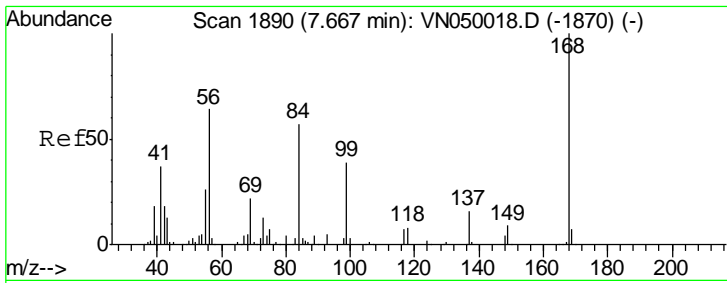
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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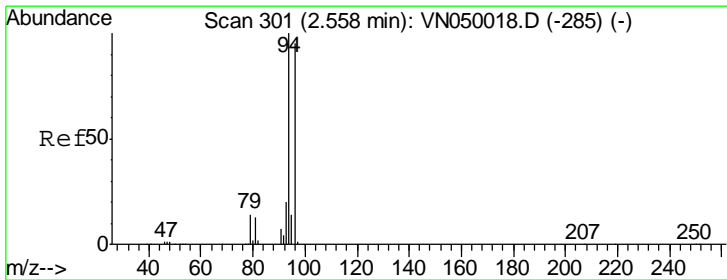
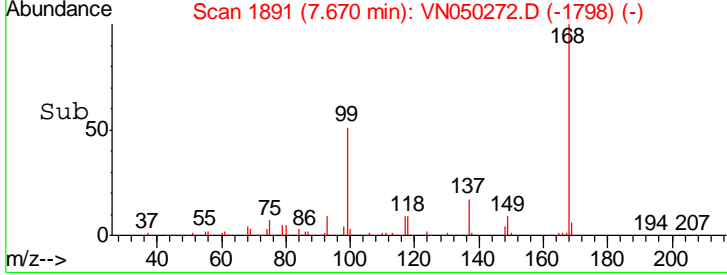
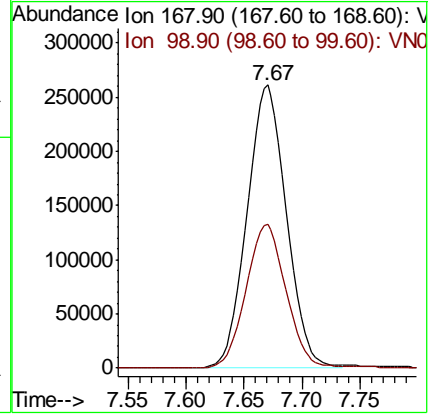
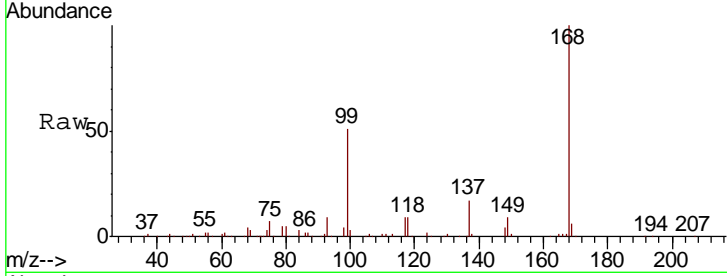




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

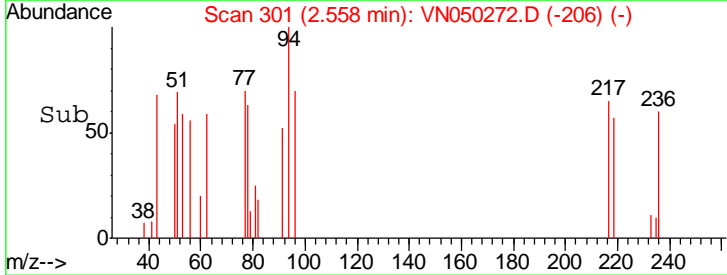
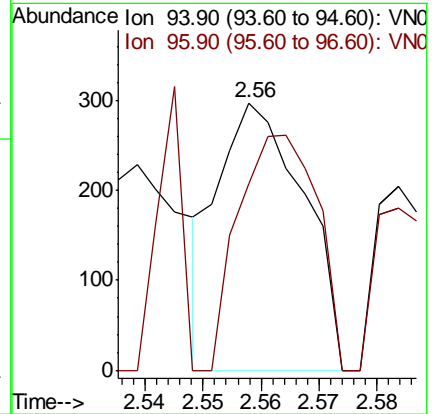
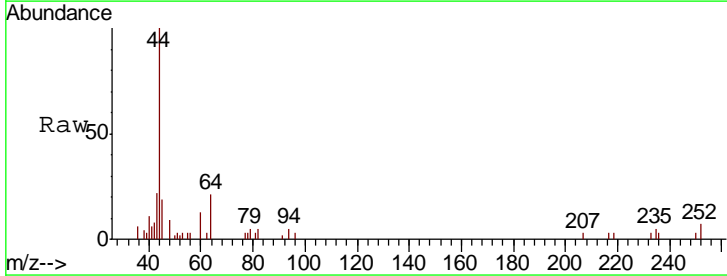
Instrument :
 MSVOA_N
 ClientSampled :
 PB111674ZHE#10

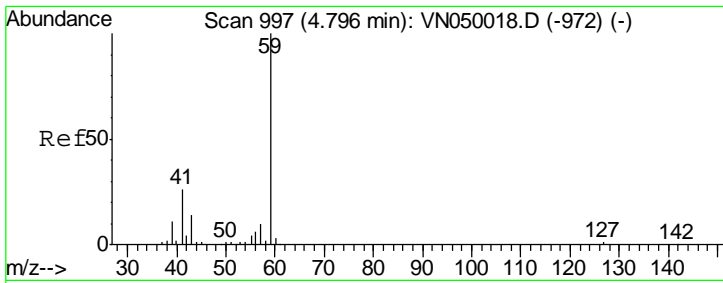
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.0	60.0



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.56 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
94	100		
96	69.7	74.6	112.0#

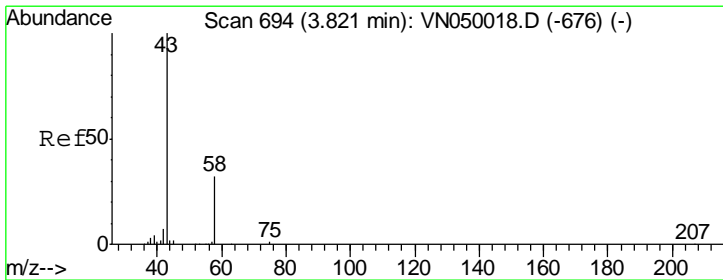
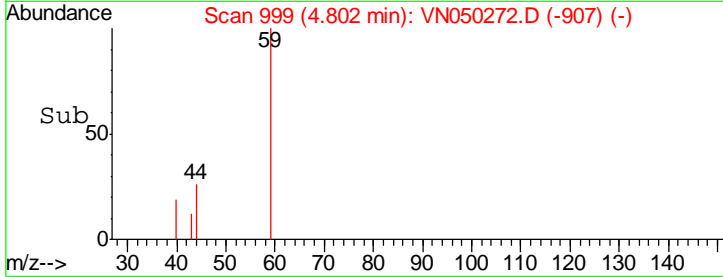
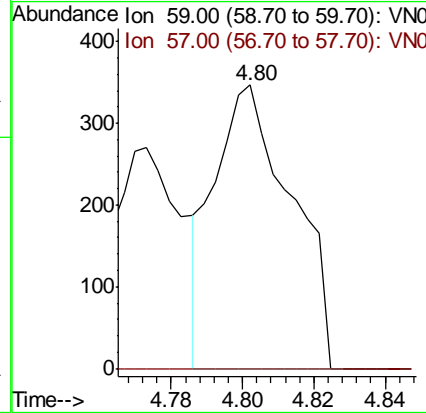
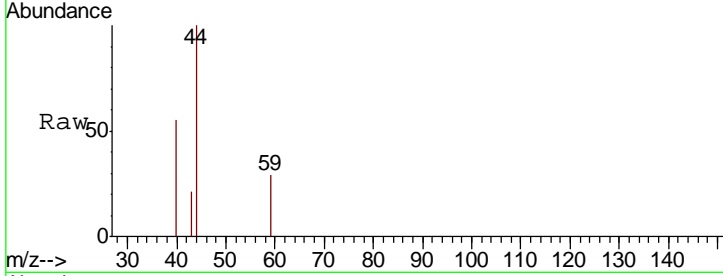




#11
 Tert butyl alcohol
 Concen: 0.82 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

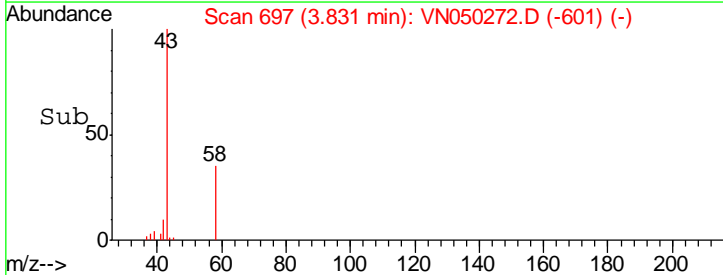
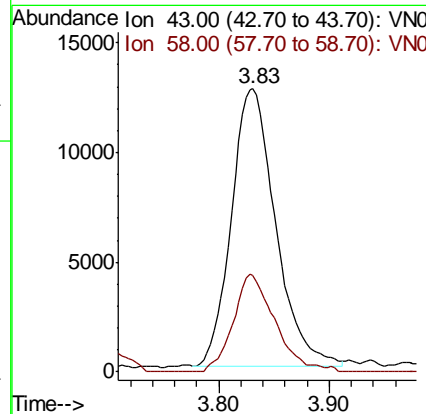
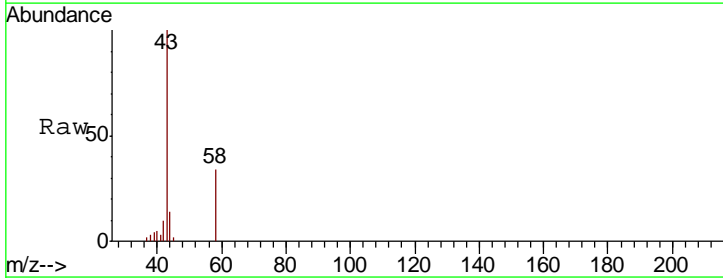
Instrument :
 MSVOA_N
 ClientSampled :
 PB111674ZHE#10

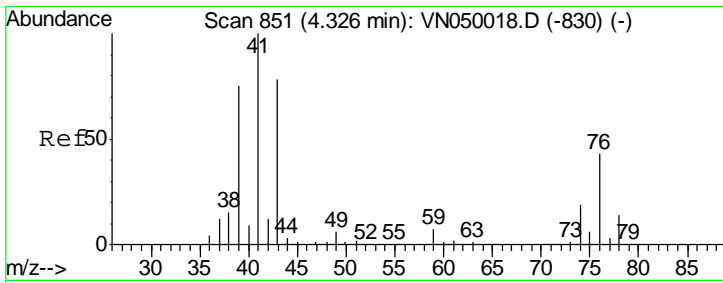
Tgt Ion: 59 Resp: 518
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#16
 Acetone
 Concen: 13.13 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion: 43 Resp: 35017
 Ion Ratio Lower Upper
 43 100
 58 34.6 25.8 38.8

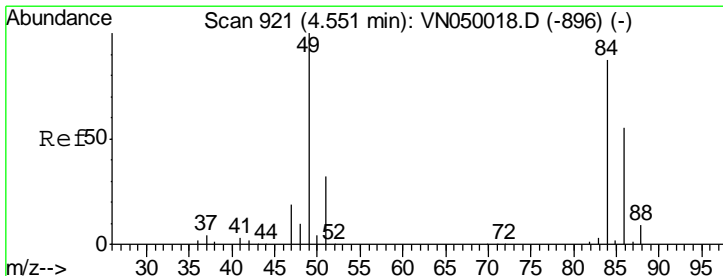
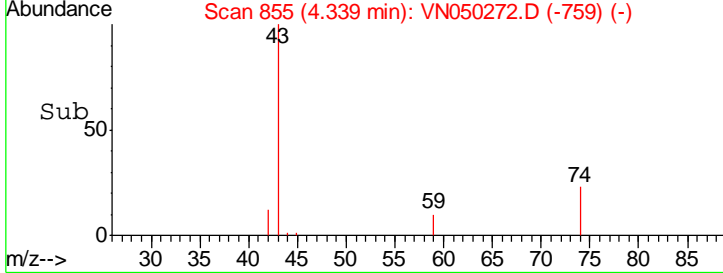
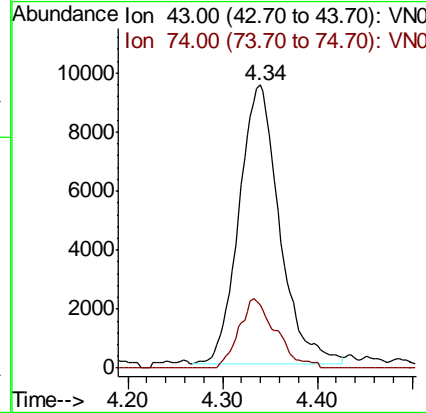
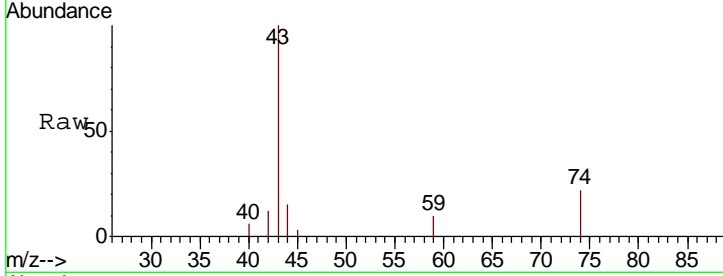




#18
 Methyl Acetate
 Concen: 2.00 ug/l
 RT: 4.34 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

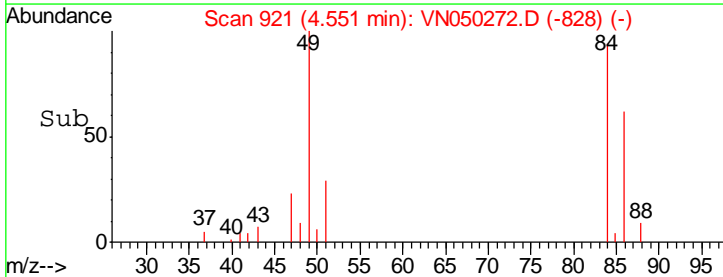
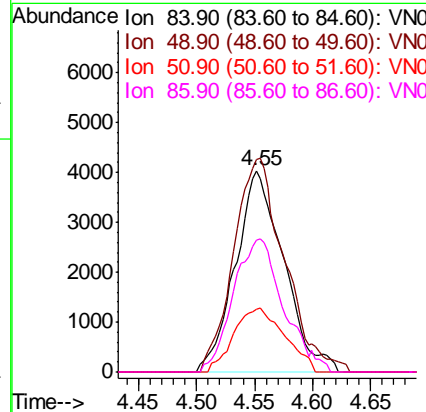
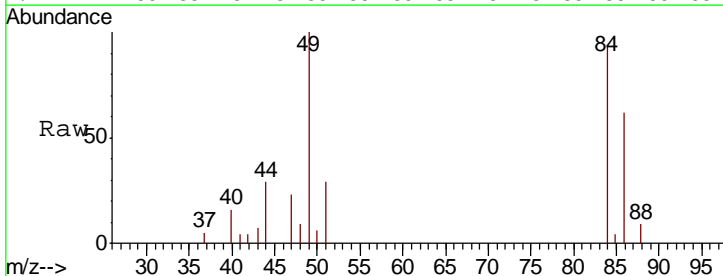
Instrument :
 MSVOA_N
 ClientSampled :
 PB111674ZHE#10

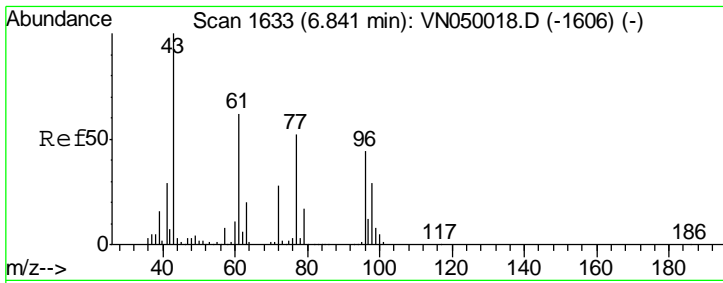
Tgt Ion	Resp	Lower	Upper
43	100		
74	22.8	19.2	28.8



#20
 Methylene Chloride
 Concen: 0.28 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
84	100		
49	106.0	94.8	142.2
51	31.1	28.3	42.5
86	65.5	51.0	76.6

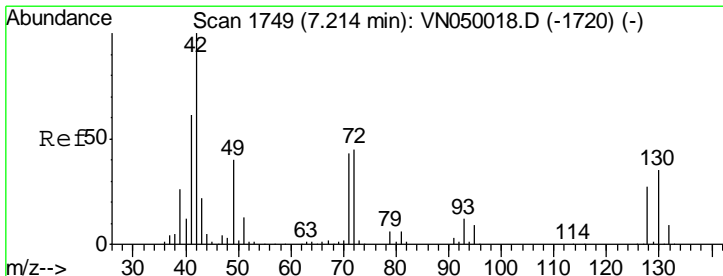
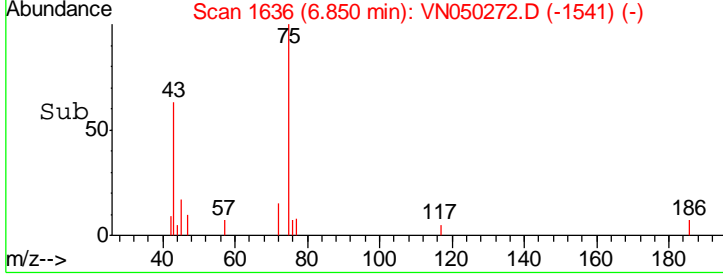
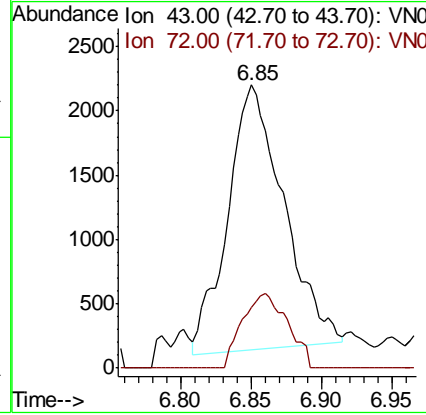
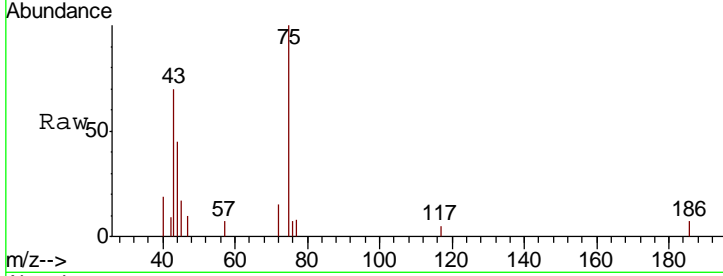




#25
 2-Butanone
 Concen: 1.74 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

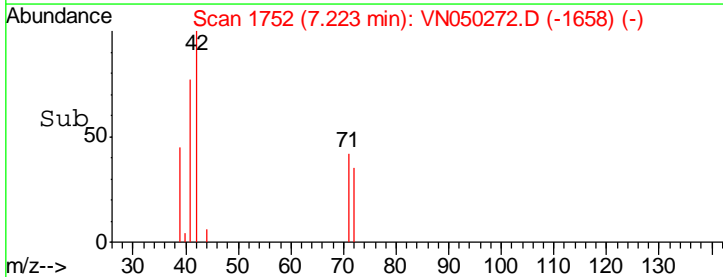
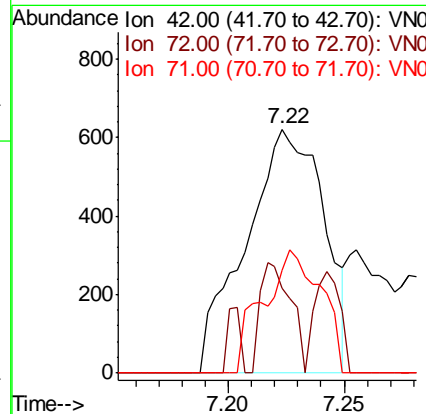
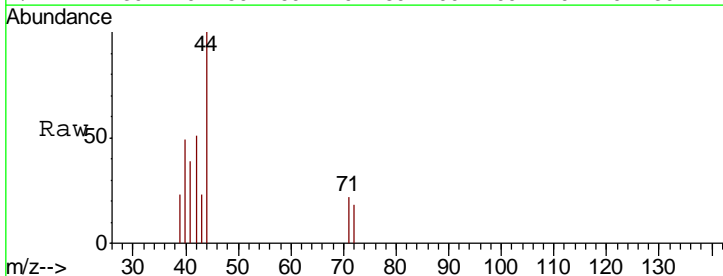
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

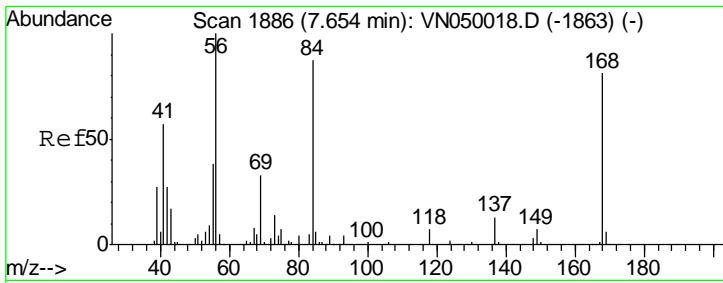
Tgt Ion	Resp	Lower	Upper
43	100		
72	23.4	21.5	32.3



#29
 Tetrahydrofuran
 Concen: 0.69 ug/l
 RT: 7.22 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
42	100		
72	17.7	35.9	53.9#
71	37.1	33.7	50.5

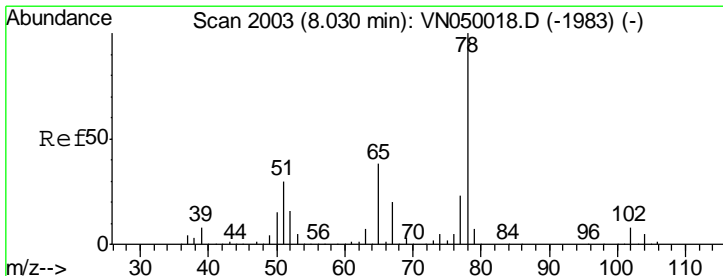
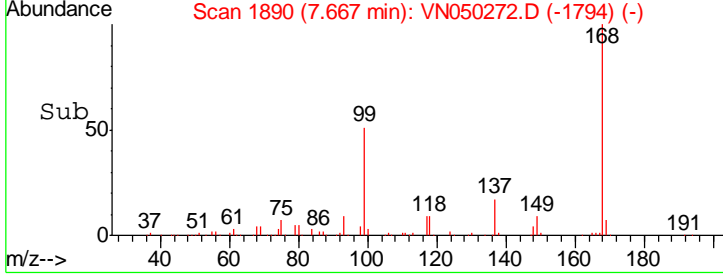
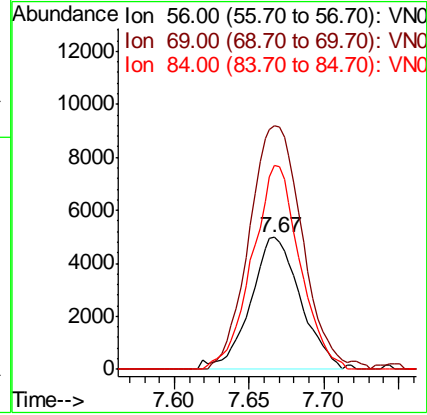
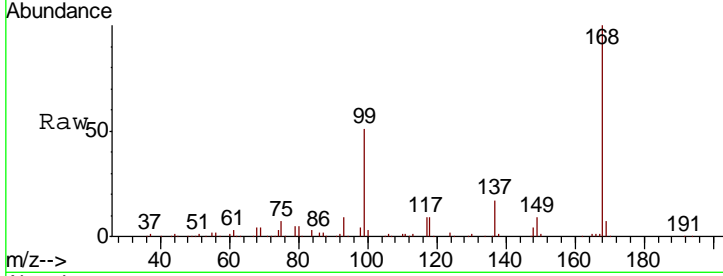




#31
 Cyclohexane
 Concen: 0.90 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

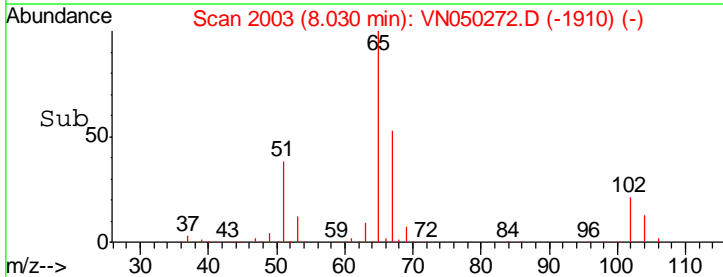
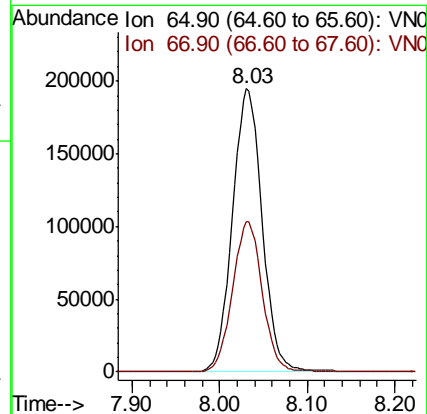
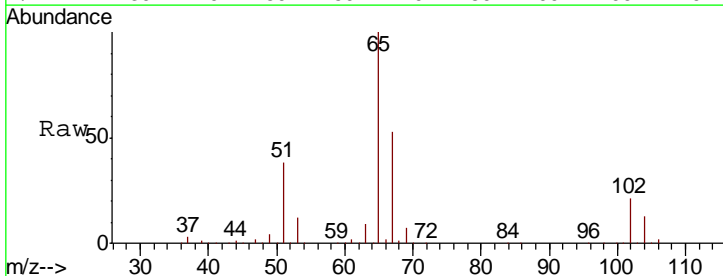
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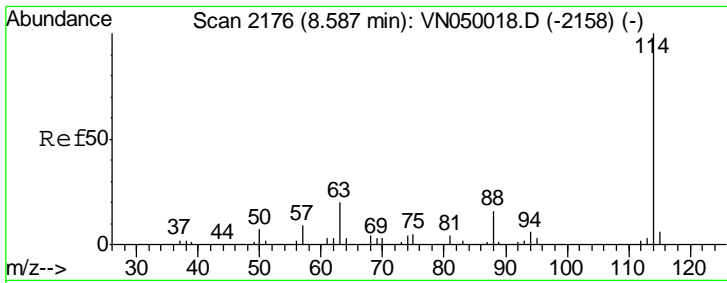
Tgt Ion	Resp	Lower	Upper
56	11535		
69	184.9	26.2	39.4#
84	155.3	67.4	101.0#



#33
 1,2-Dichloroethane-d4
 Concen: 53.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
65	459604		
67	53.0	0.0	108.4

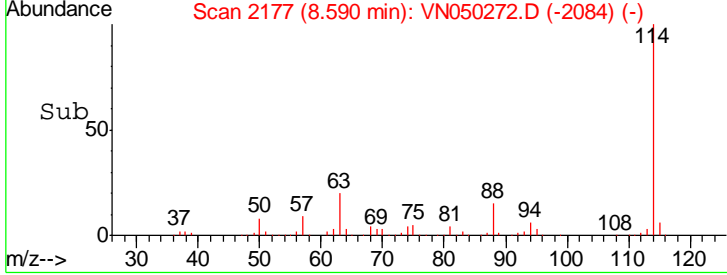
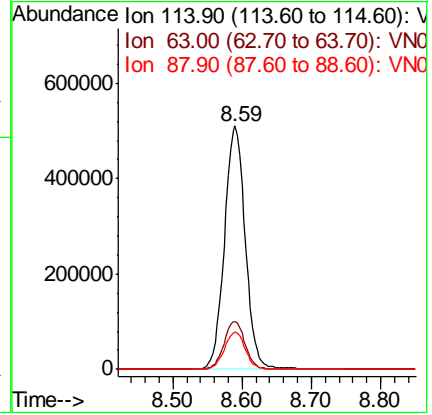
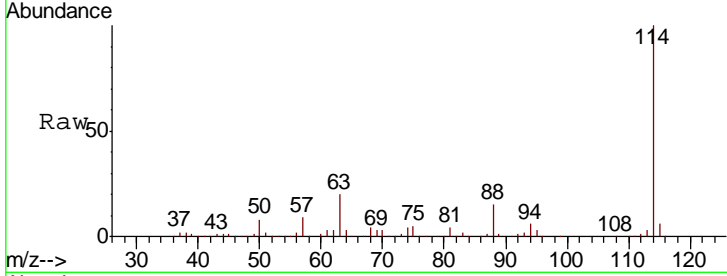




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

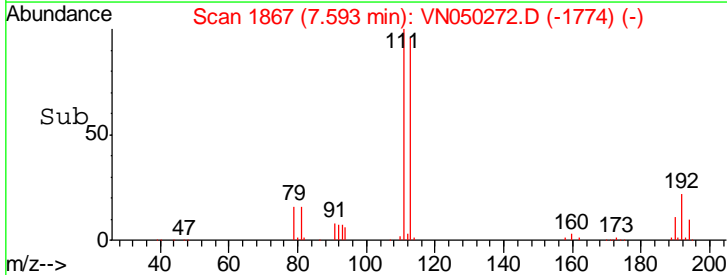
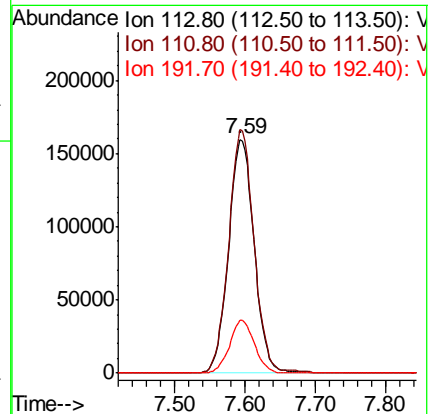
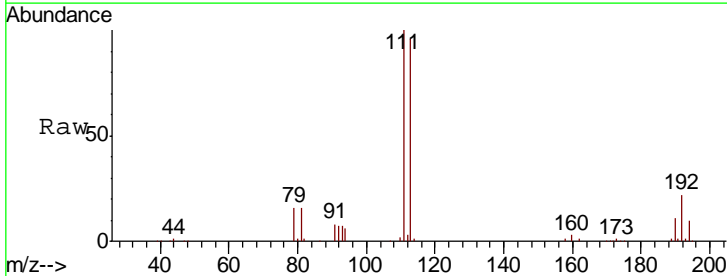
Instrument : MSVOA_N
 ClientSampleID : PB111674ZHE#10

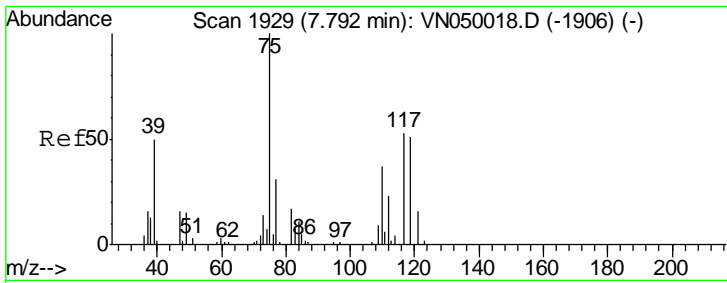
Tgt Ion	Resp	Lower	Upper
114	1066609		
63	19.8	0.0	40.0
88	15.3	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 46.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
113	406310		
111	102.9	80.7	121.1
192	22.0	17.8	26.6

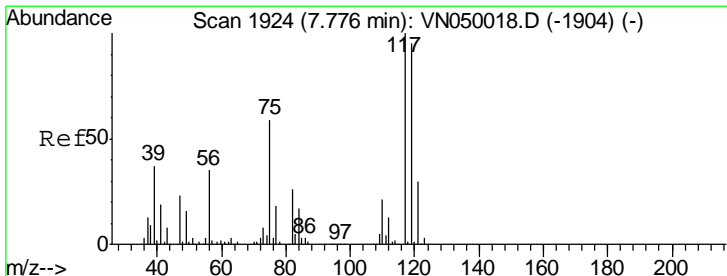
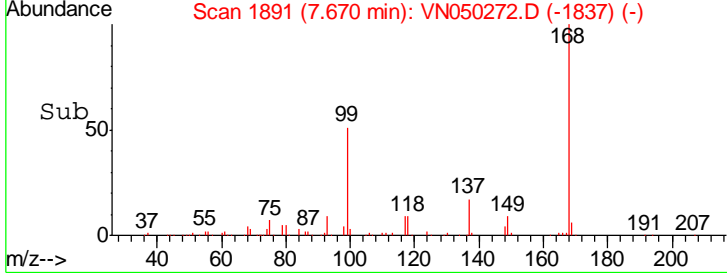
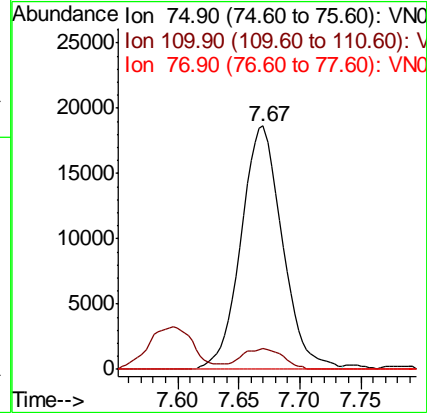
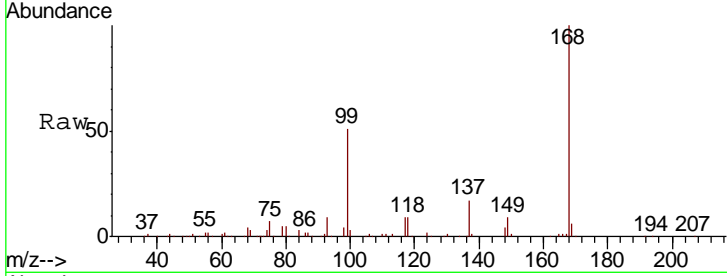




#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

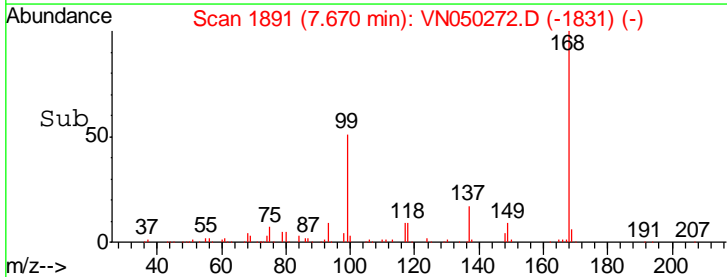
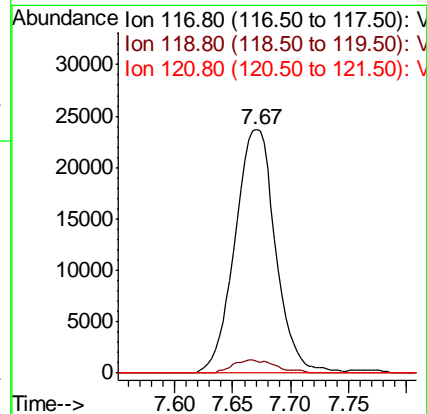
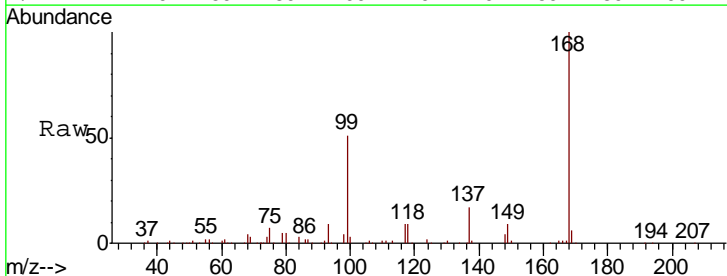
Instrument :
 MSVOA_N
 ClientSampled :
 PB111674ZHE#10

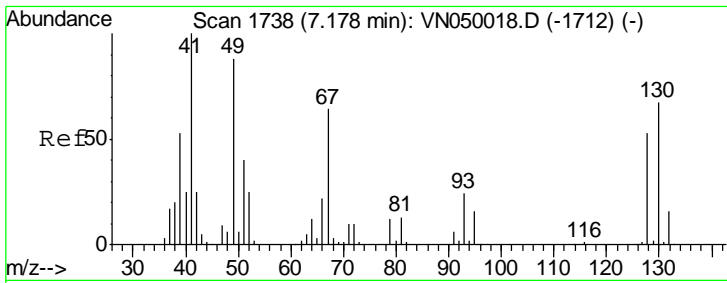
Tgt Ion	Resp	Lower	Upper
75	100		
110	8.6	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.52 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
117	100		
119	4.8	77.4	116.0#
121	0.0	23.9	35.9#

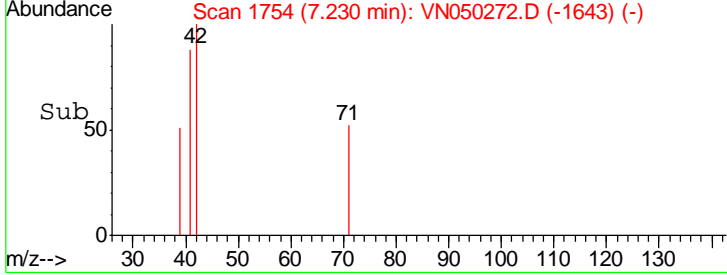
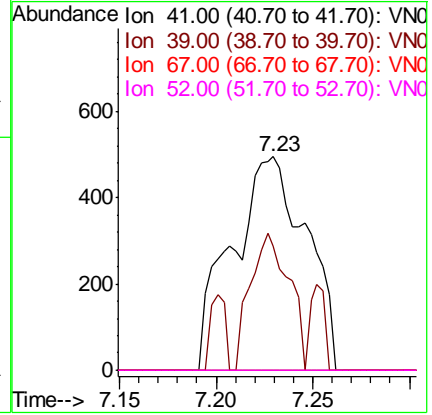
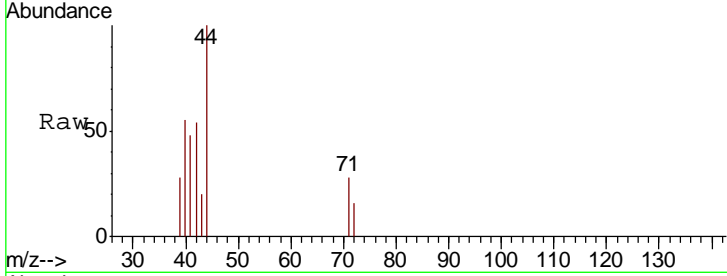




#41
 Methacrylonitrile
 Concen: 3.04 ug/l
 RT: 7.23 min Scan# 1754
 Delta R.T. 0.06 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

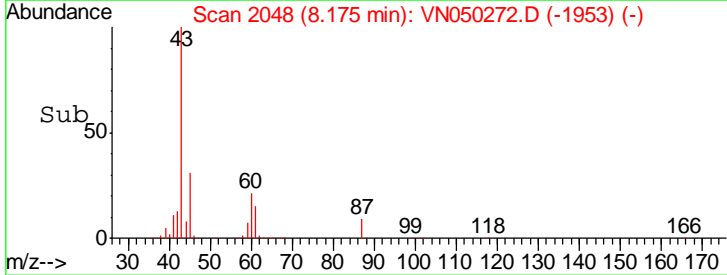
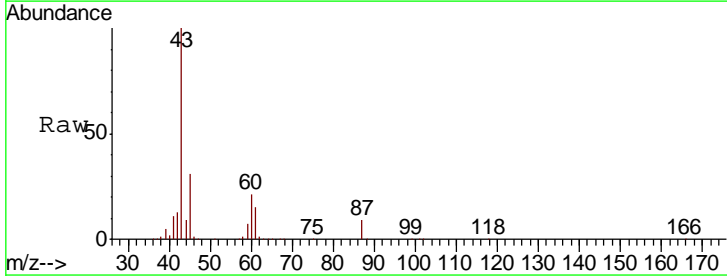
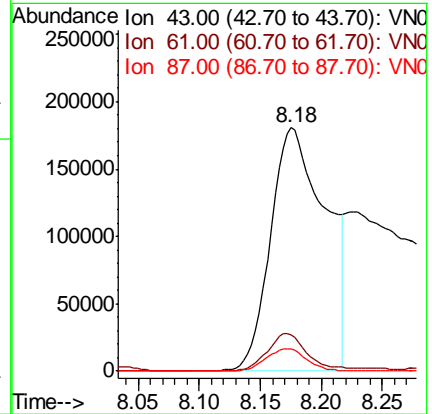
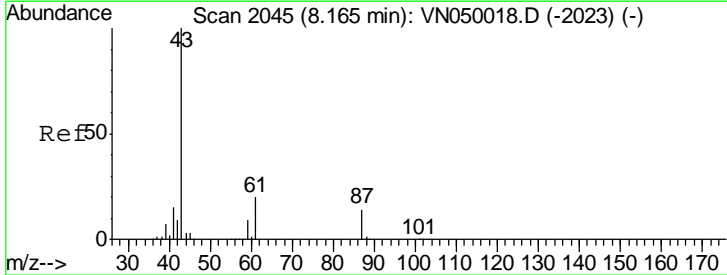
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

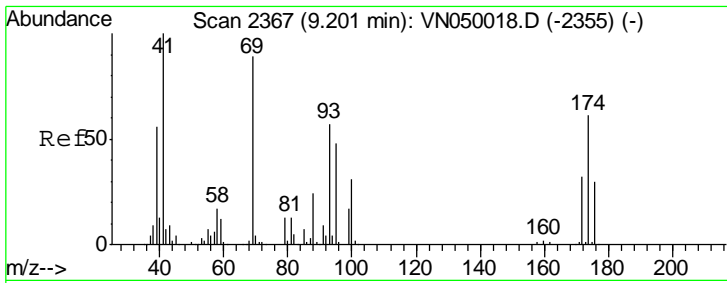
Tgt Ion	Resp	Lower	Upper
41	100		
39	33.1	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#



#43
 Isopropyl Acetate
 Concen: 35.58 ug/l
 RT: 8.18 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
43	100		
61	12.1	15.8	23.6#
87	6.9	10.3	15.5#

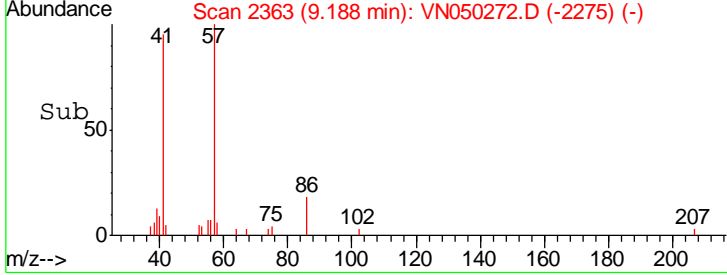
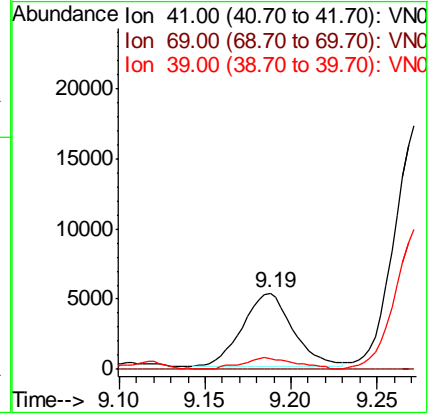
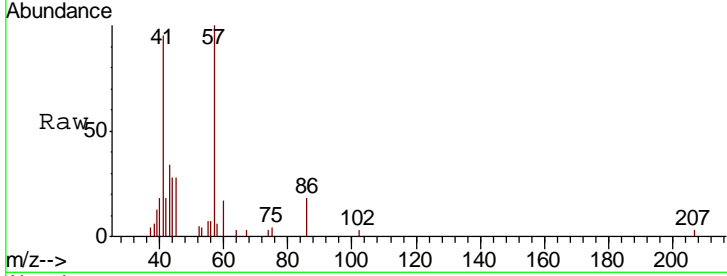




#48
 Methyl methacrylate
 Concen: 1.44 ug/l
 RT: 9.19 min Scan# 2363
 Delta R.T. -0.02 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

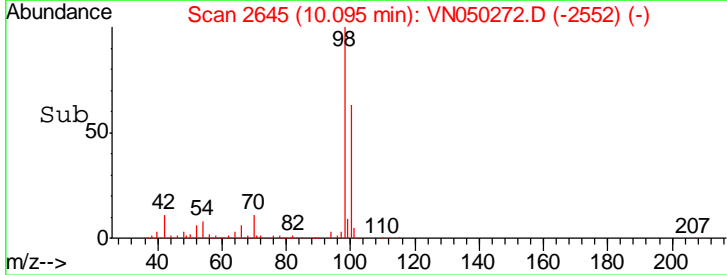
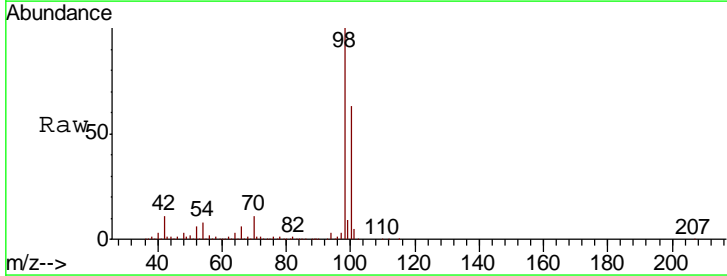
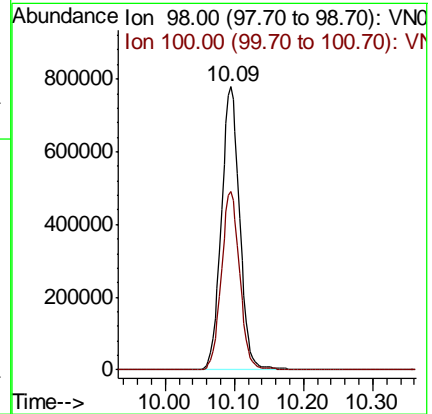
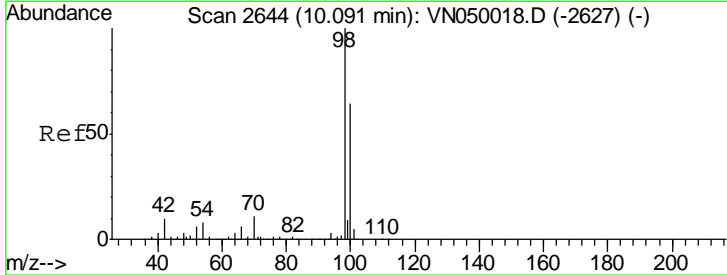
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

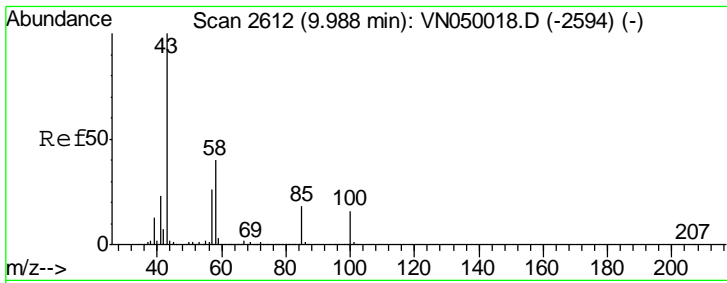
Tgt Ion	Resp	Lower	Upper
41	10394		
69	0.0	70.6	105.8#
39	17.3	43.9	65.9#



#50
 Toluene-d8
 Concen: 44.53 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
98	1425576		
100	63.2	50.7	76.1

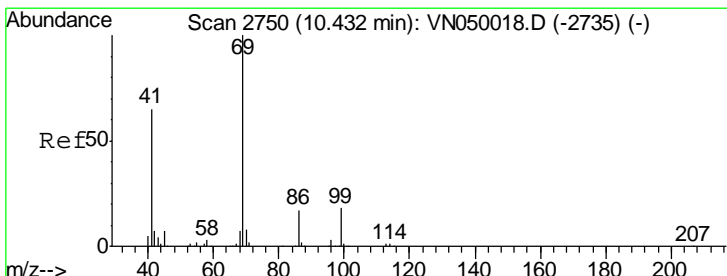
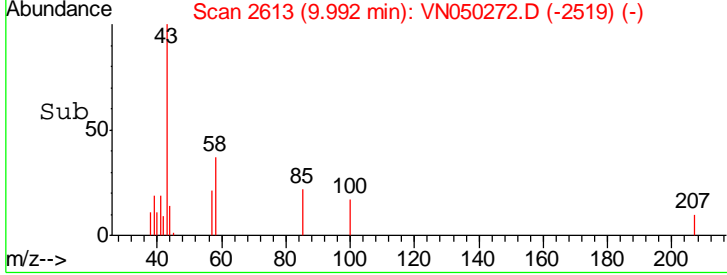
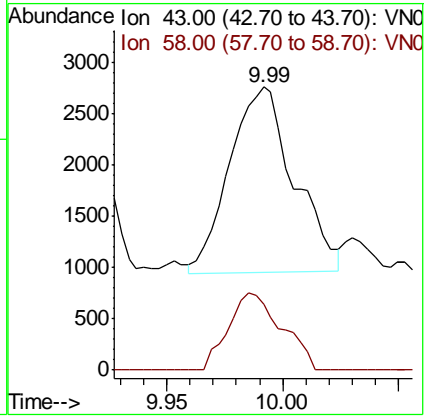
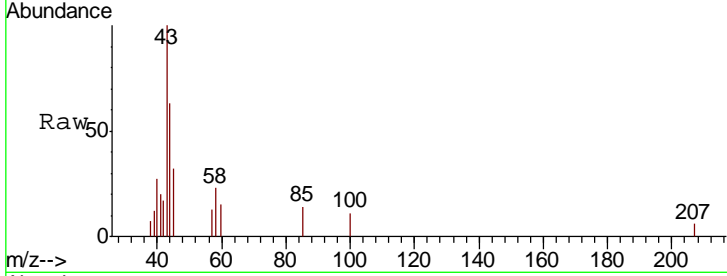




#51
 4-Methyl-2-Pentanone
 Concen: 0.43 ug/l
 RT: 9.99 min Scan# 2613
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

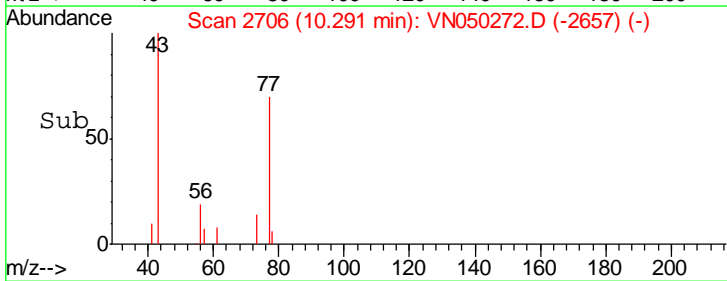
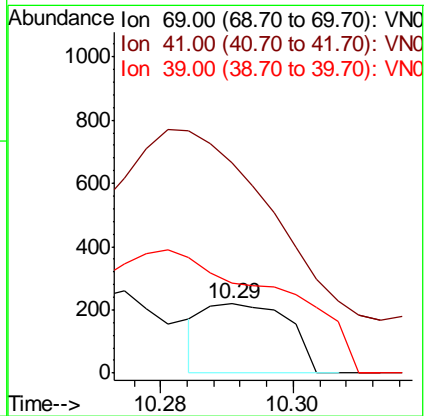
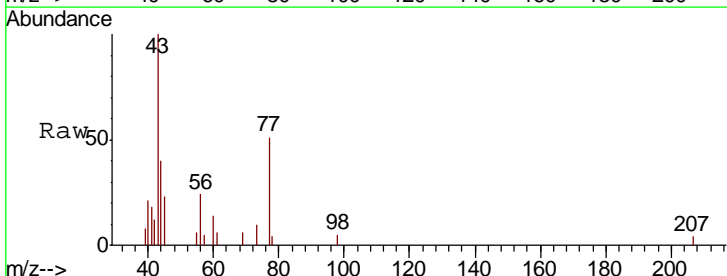
Instrument : MSVOA_N
 ClientSampleId : PB111674ZHE#10

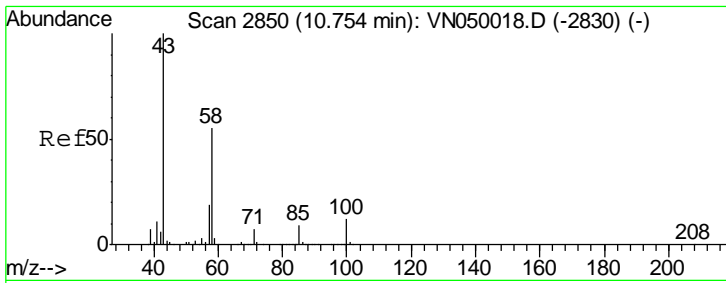
Tgt Ion	Resp	Lower	Upper
43	100		
58	34.3	31.9	47.9



#56
 Ethyl methacrylate
 Concen: 2.05 ug/l
 RT: 10.29 min Scan# 2706
 Delta R.T. -0.14 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
69	100		
41	569.1	51.0	76.4#
39	386.9	26.6	40.0#

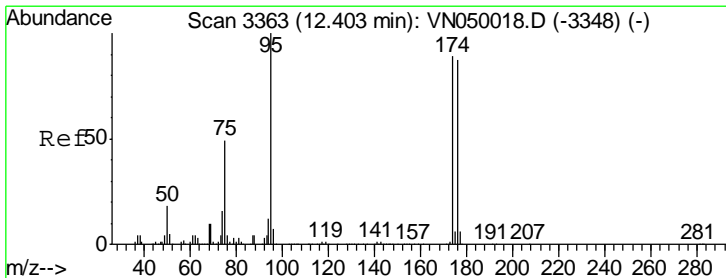
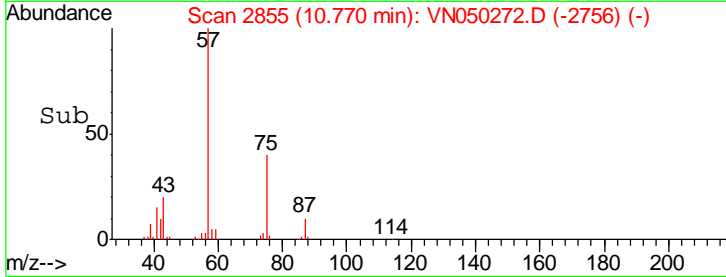
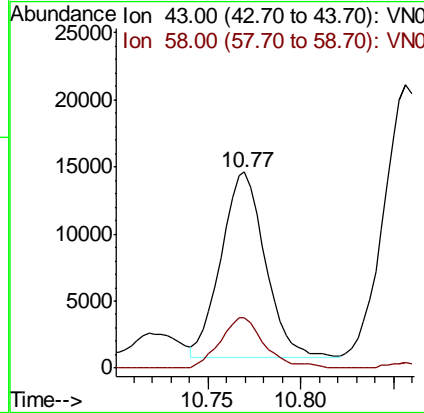
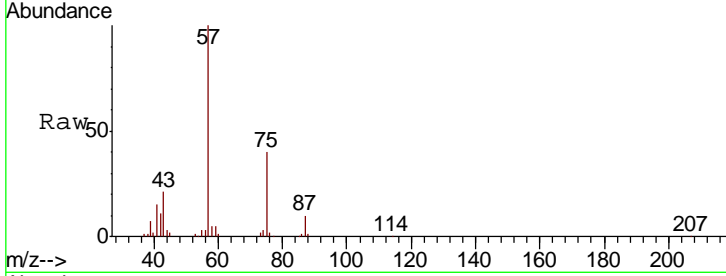




#59
 2-Hexanone
 Concen: 8.87 ug/l
 RT: 10.77 min Scan# 2855
 Delta R.T. 0.02 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

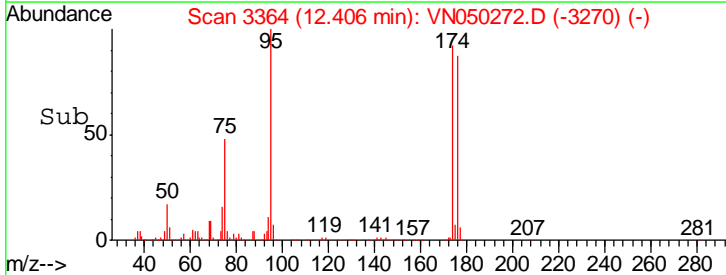
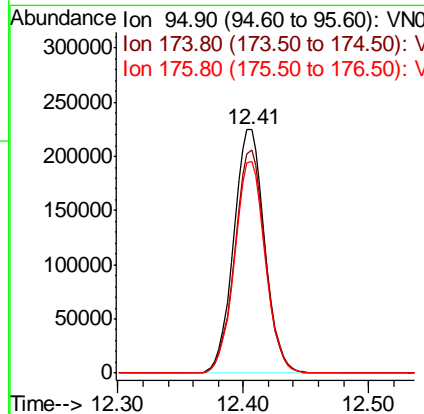
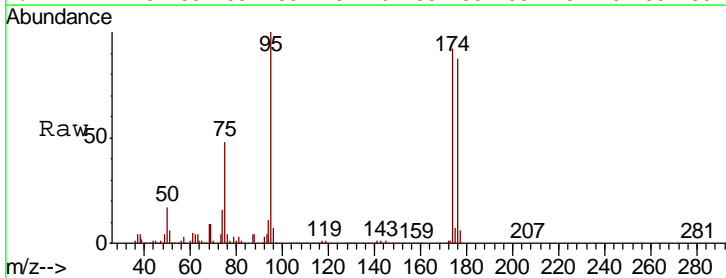
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

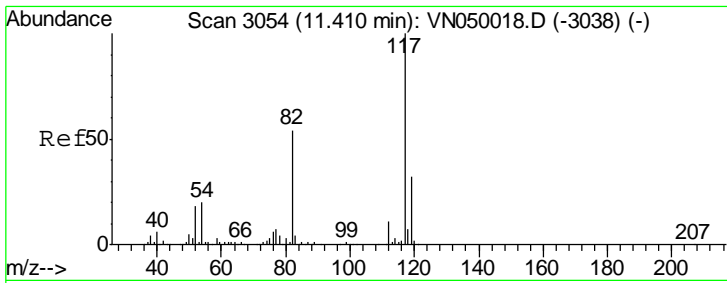
Tgt Ion	Resp	Lower	Upper
43	100		
58	27.3	27.6	82.7#



#62
 4-Bromofluorobenzene
 Concen: 36.38 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
95	100		
174	90.8	0.0	178.2
176	86.4	0.0	173.4

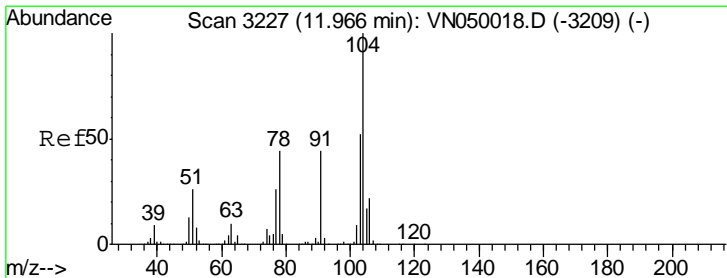
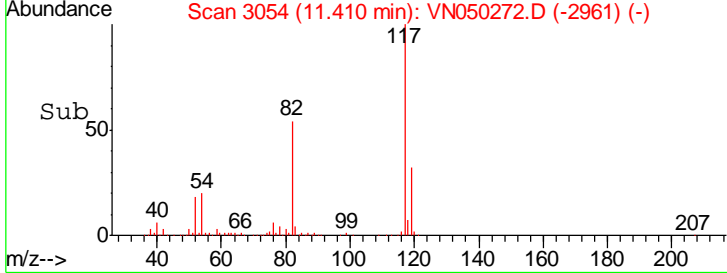
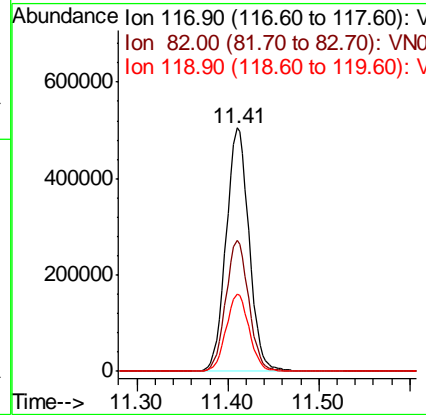
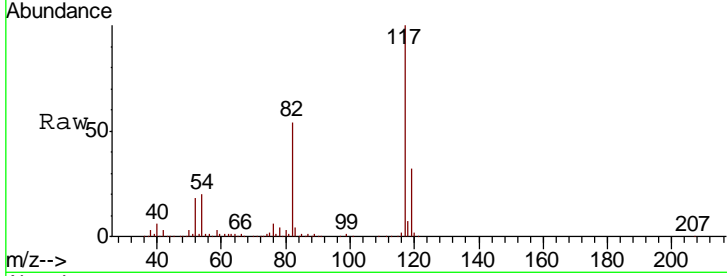




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

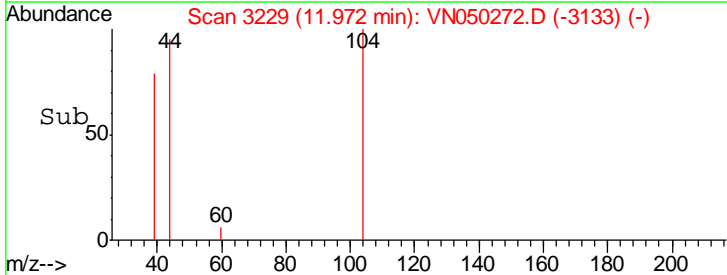
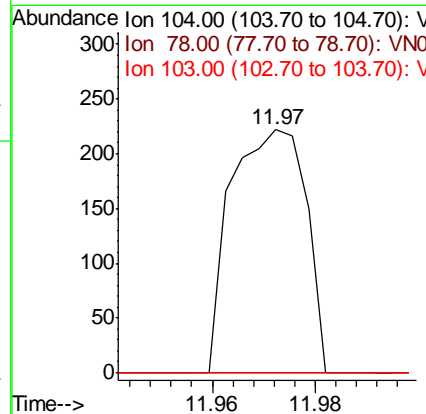
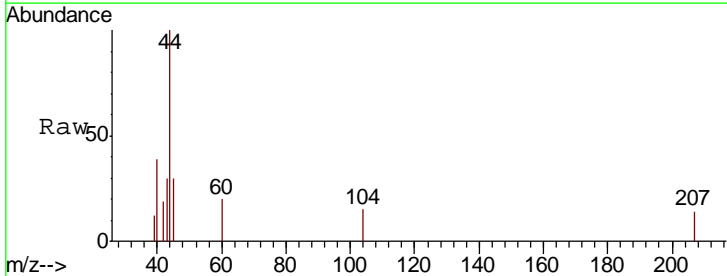
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

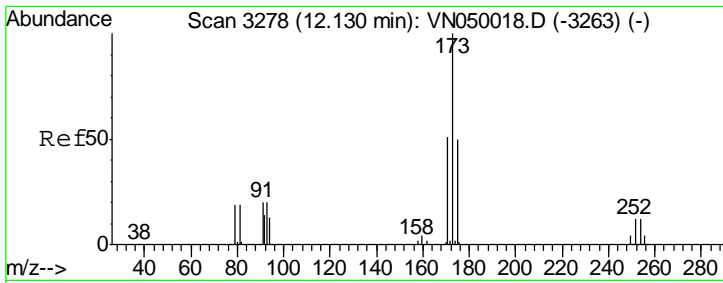
Tgt Ion	Resp	Lower	Upper
117	885153		
82	53.9	43.7	65.5
119	31.9	26.1	39.1



#70
 Styrene
 Concen: 0.93 ug/l
 RT: 11.97 min Scan# 3229
 Delta R.T. 0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
104	223		
78	0.0	39.3	58.9#
103	0.0	45.0	67.6#

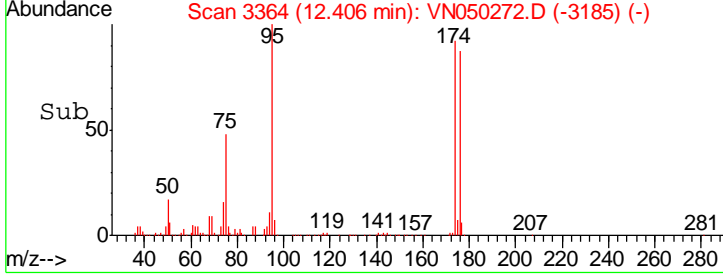
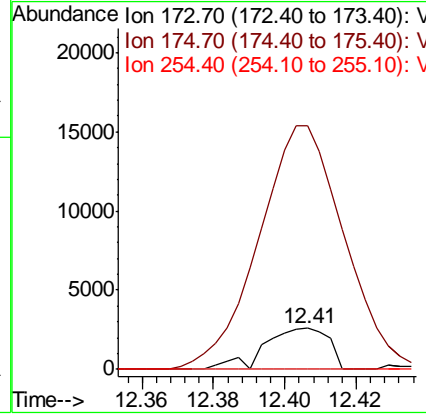
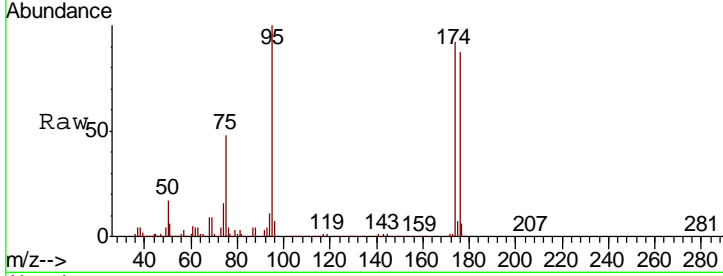




#71
 Bromoform
 Concen: 0.52 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.28 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

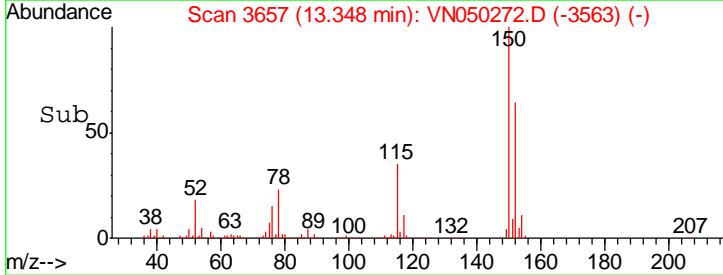
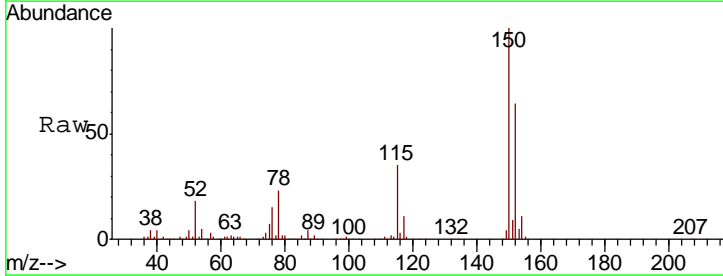
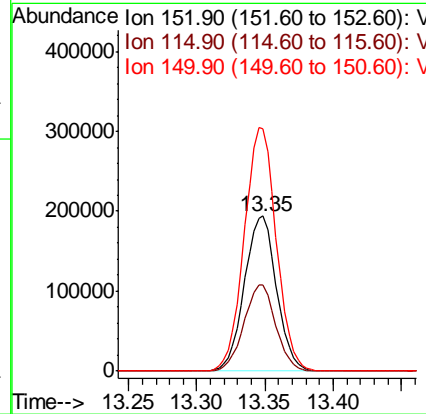
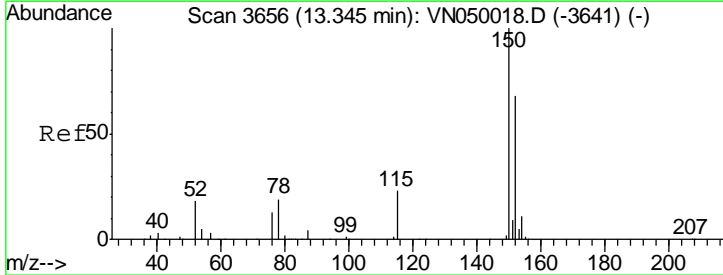
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

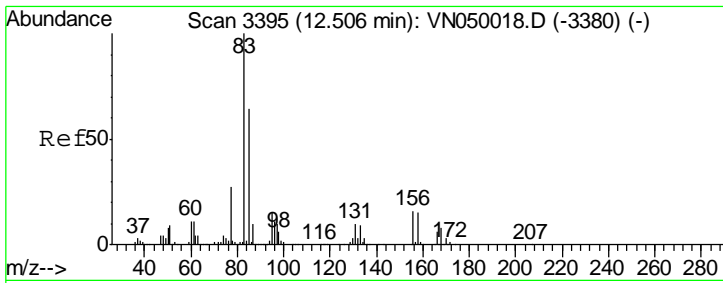
Tgt Ion	Resp	Lower	Upper
173	100		
175	686.1	24.1	72.2#
254	0.0	0.2	0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.2	27.8	83.3
150	156.9	0.0	348.6

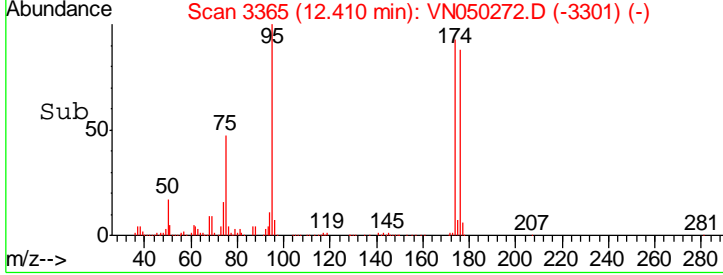
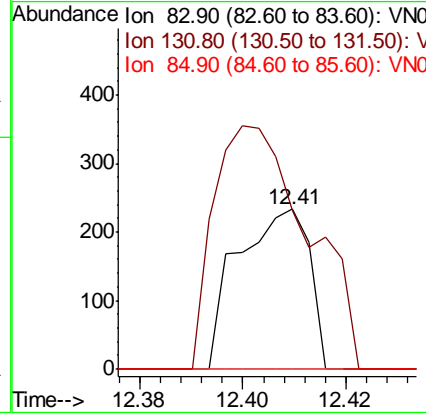
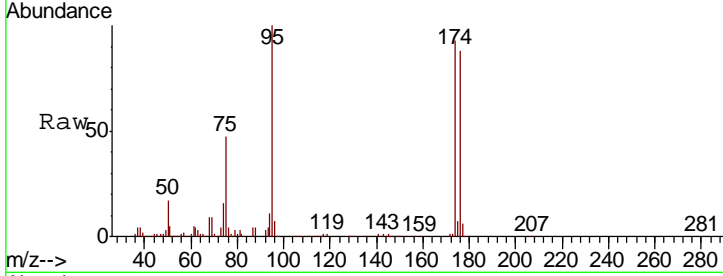




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.41 min Scan# 3365
 Delta R.T. -0.10 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

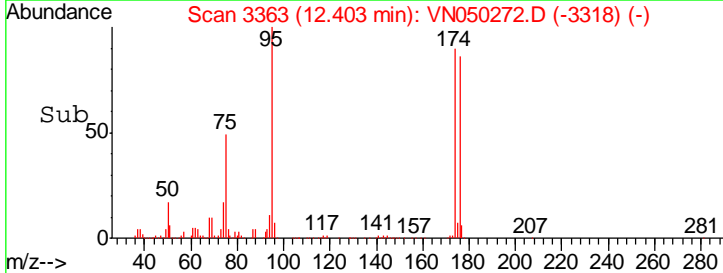
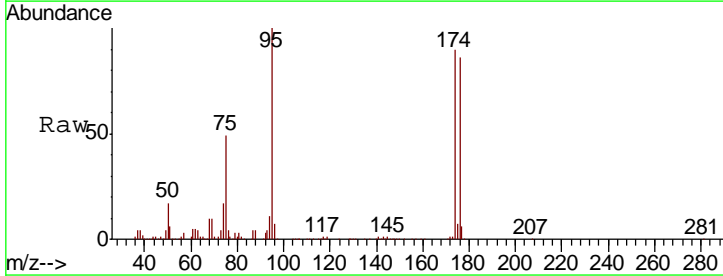
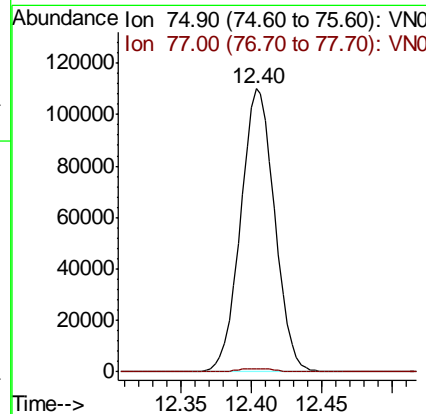
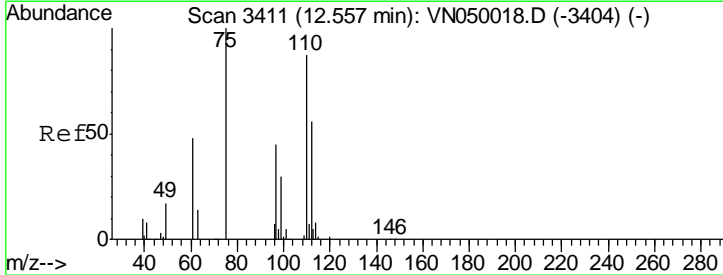
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

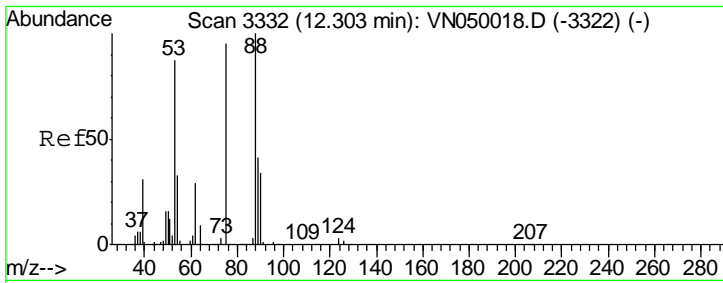
Tgt Ion	Resp	Lower	Upper
83	100		
131	198.7	5.1	15.3#
85	0.0	32.3	96.8#



#76
 1,2,3-Trichloropropane
 Concen: 31.56 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.4	0.0	0.0#

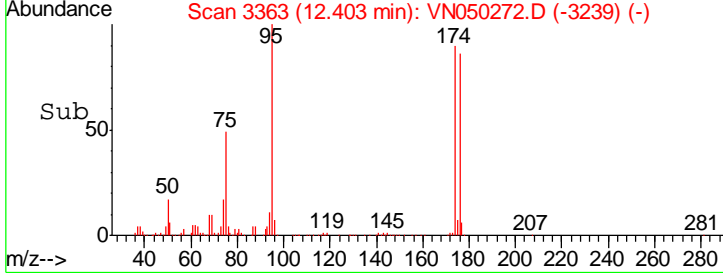
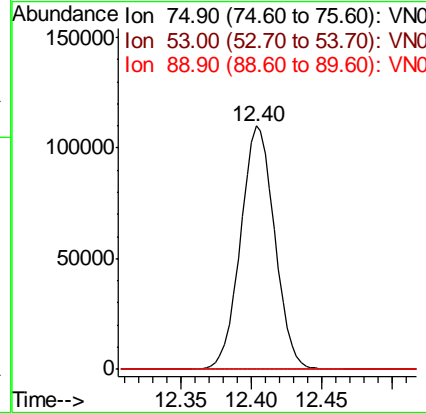
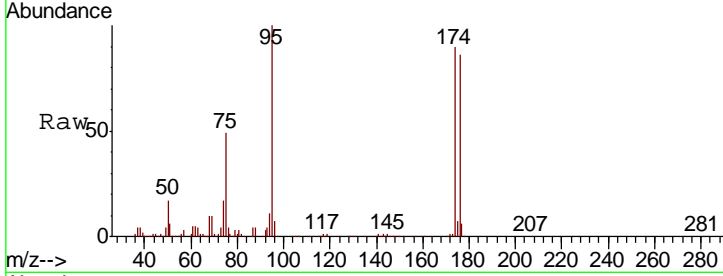




#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.10 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

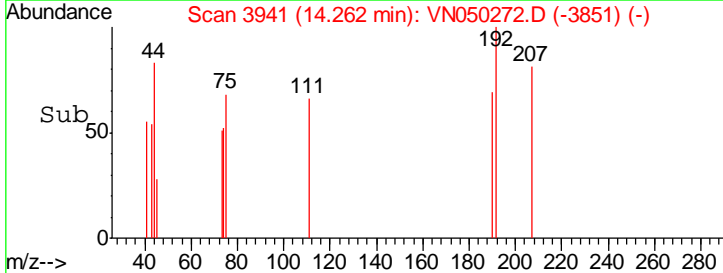
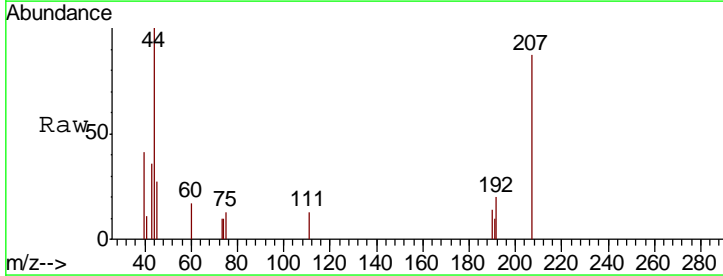
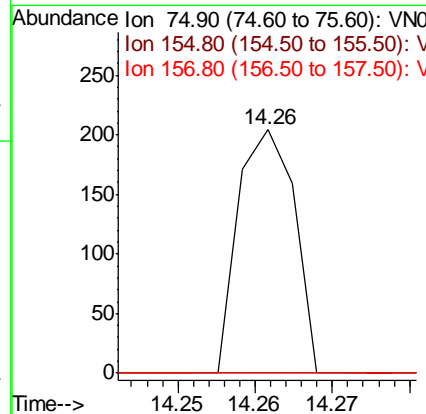
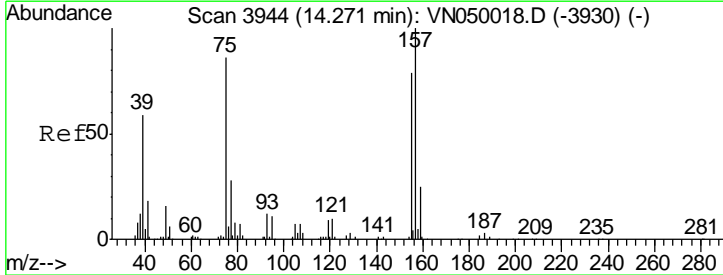
Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

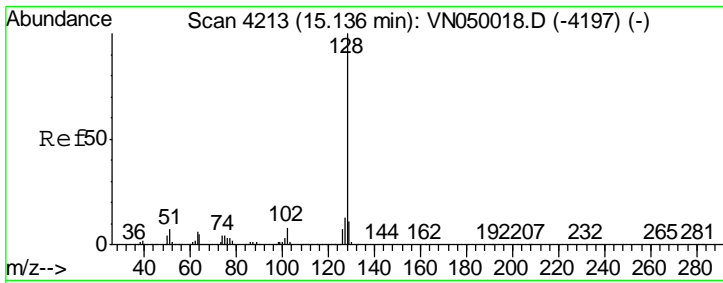
Tgt Ion	Resp	Lower	Upper
75	100		
53	0.2	73.5	110.3#
89	0.0	36.0	54.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Tgt Ion	Resp	Lower	Upper
75	100		
155	0.0	44.8	134.4#
157	0.0	57.2	171.6#



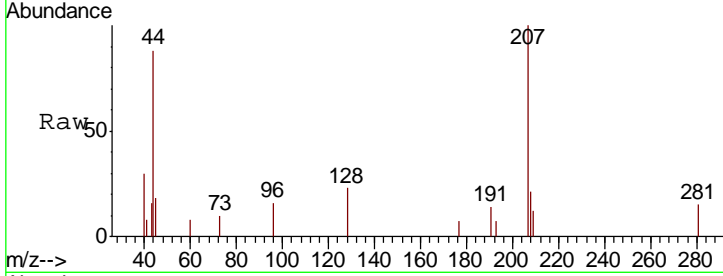


#95
 Naphthalene
 Concen: 4.46 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN050272.D
 Acq: 2 Aug 2018 18:39

Instrument : MSVOA_N
 ClientSampled : PB111674ZHE#10

Tot Ion: 128 Resp: 697

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

