

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060322.D
 Acq On : 21 Sep 2018 19:47
 Operator : VA/AP
 Sample : J4771-19RE
 Misc : 6.12/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-03-092018-A

Quant Time: Sep 22 02:29:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	188881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	292570	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	253578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	144268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	145864	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
35) Dibromofluoromethane	4.28	113	147573	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
50) Toluene-d8	7.70	98	295743	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
62) 4-Bromofluorobenzene	11.51	95	135318	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

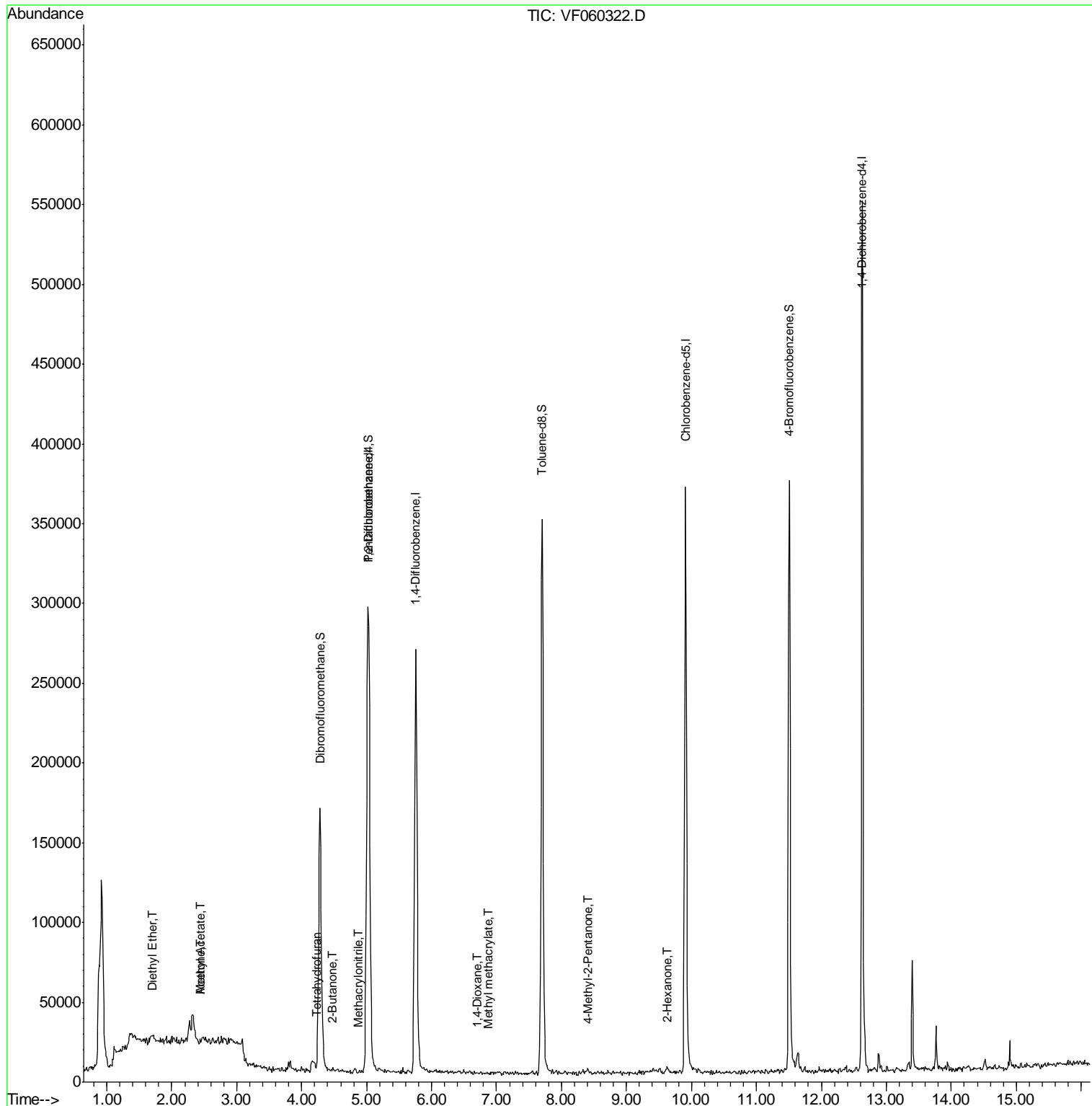
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	532	Below Cal	#	40
5) Bromomethane	1.28	94	826	Below Cal		83
8) Diethyl Ether	1.70	74	2110	2.595	ug/l	81
11) Tert butyl alcohol	2.68	59	1080	Below Cal	#	1
13) Acrolein	2.07	56	626	Below Cal	#	36
16) Acetone	2.44	43	1365	1.906	ug/l	93
17) Carbon Disulfide	1.89	76	279	Below Cal	#	18
18) Methyl Acetate	2.44	43	1285	1.077	ug/l	# 62
20) Methylene Chloride	2.32	84	7917	Below Cal		87
25) 2-Butanone	4.48	43	981	1.018	ug/l	# 56
29) Tetrahydrofuran	4.22	42	785	2.223	ug/l	# 25
41) Methacrylonitrile	4.86	41	972	1.160	ug/l	# 62
48) Methyl methacrylate	6.87	41	1617	1.239	ug/l	# 64
49) 1,4-Dioxane	6.71	88	69	5.919	ug/l	# 20
51) 4-Methyl-2-Pentanone	8.39	43	2999	2.093	ug/l	91
59) 2-Hexanone	9.63	43	2942	2.884	ug/l	88
78) n-propylbenzene	11.68	91	819	Below Cal	#	52
85) sec-Butylbenzene	12.38	105	1111	Below Cal		97
86) p-Isopropyltoluene	12.54	119	985	Below Cal	#	60
89) n-Butylbenzene	12.91	91	1579	Below Cal	#	86

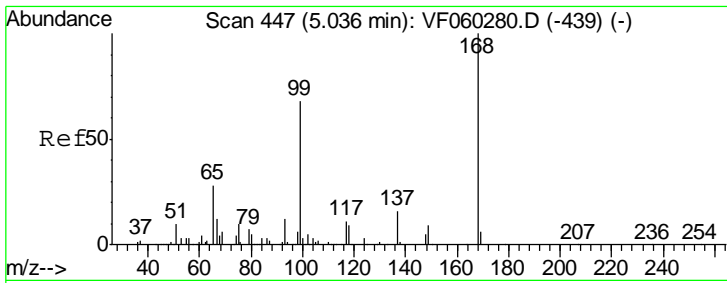
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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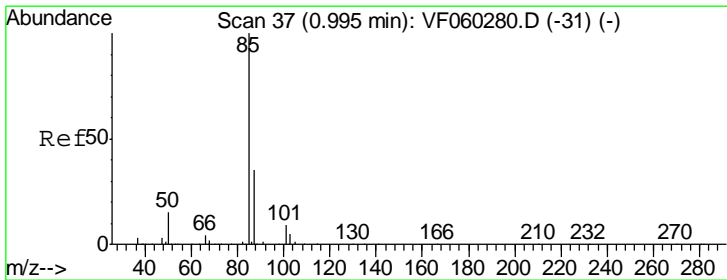
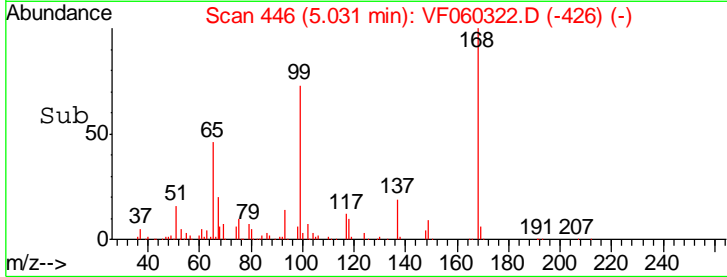
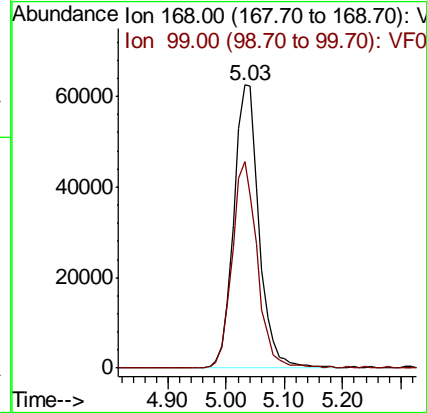
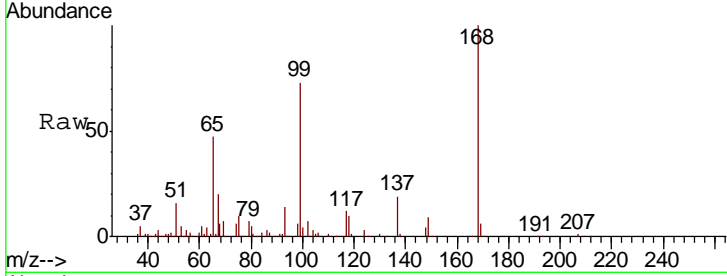




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

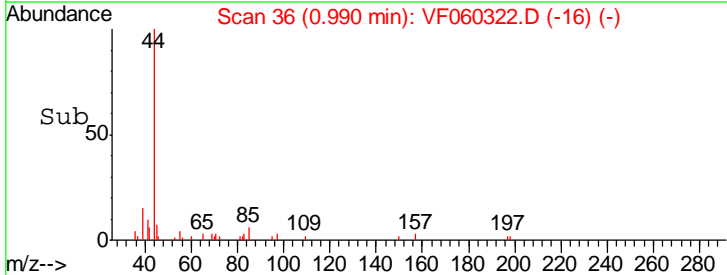
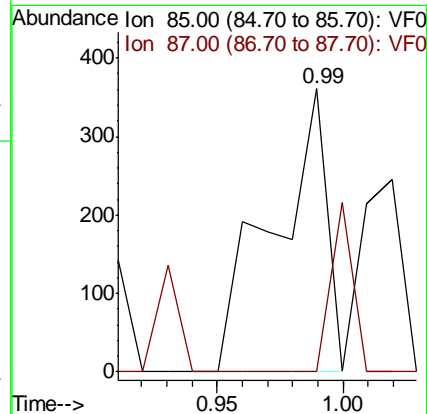
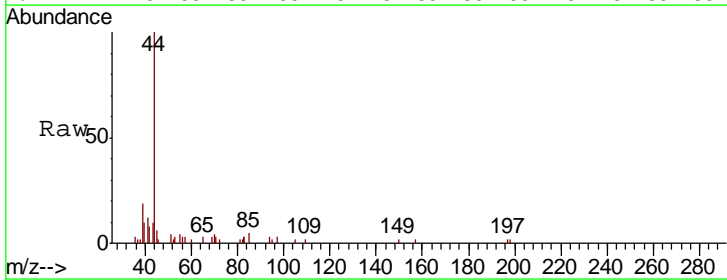
Instrument :
 MSVOA_F
 ClientSampled :
 PL-03-092018-A

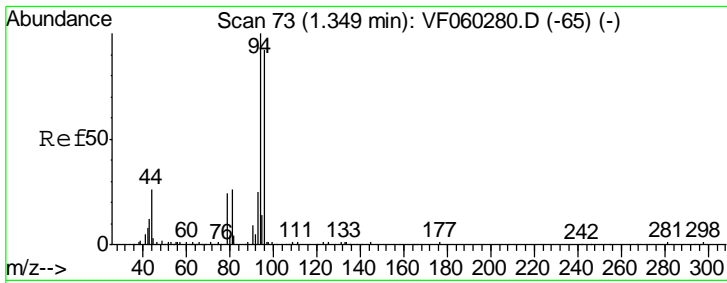
Tgt Ion: 168 Resp: 188881
 Ion Ratio Lower Upper
 168 100
 99 73.1 54.8 82.2



#2
 Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.99 min Scan# 36
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion: 85 Resp: 532
 Ion Ratio Lower Upper
 85 100
 87 0.0 17.3 52.0#

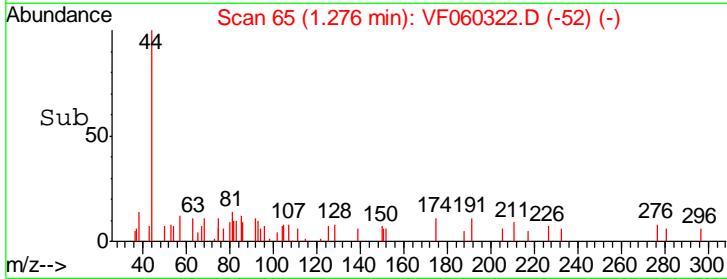
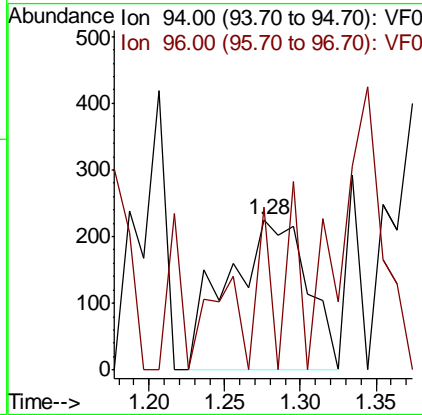
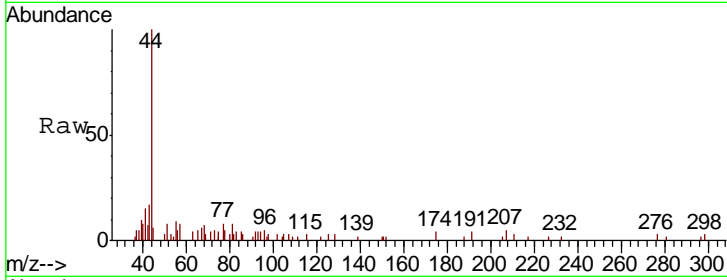




#5
 Bromomethane
 Concen: Below Cal
 RT: 1.28 min Scan# 65
 Delta R.T. -0.07 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

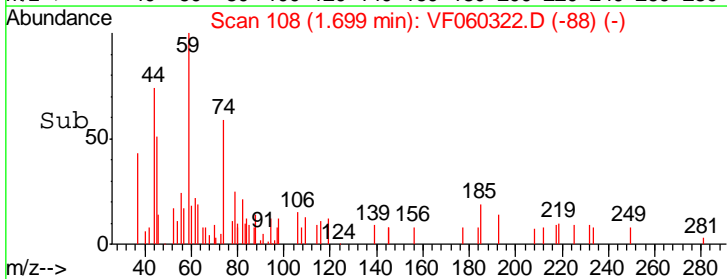
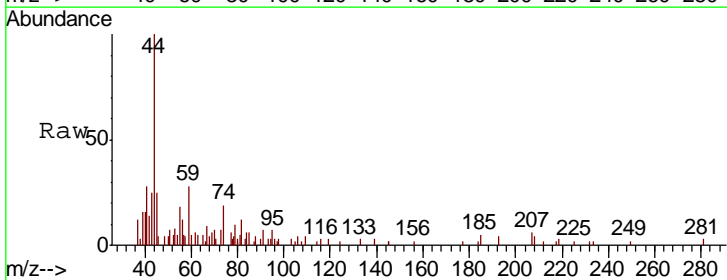
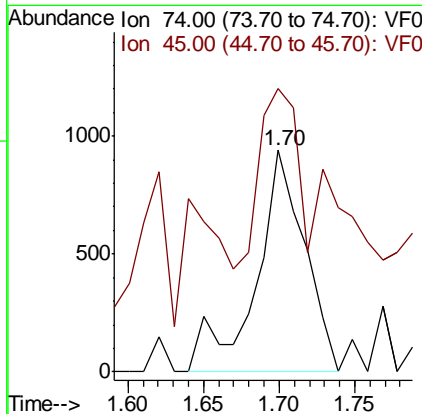
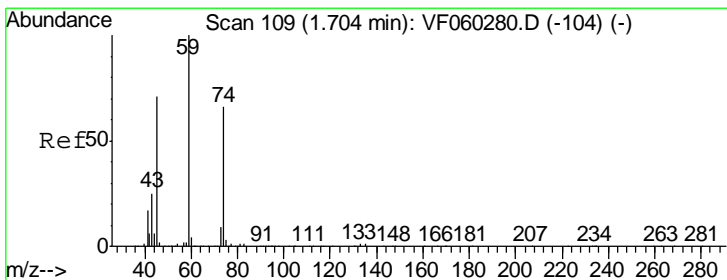
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

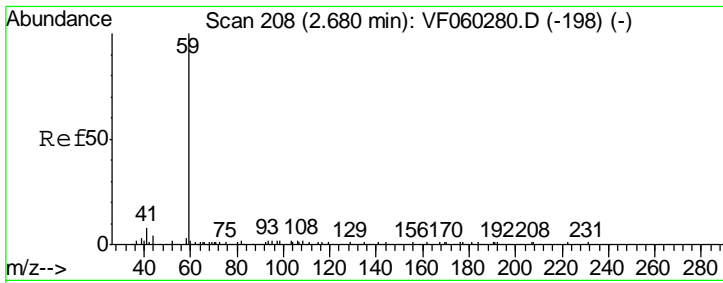
Tgt Ion	Resp	Lower	Upper
94	826		
96	108.4	73.9	110.9



#8
 Diethyl Ether
 Concen: 2.595 ug/l
 RT: 1.70 min Scan# 108
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
74	2110		
45	127.6	53.9	161.7

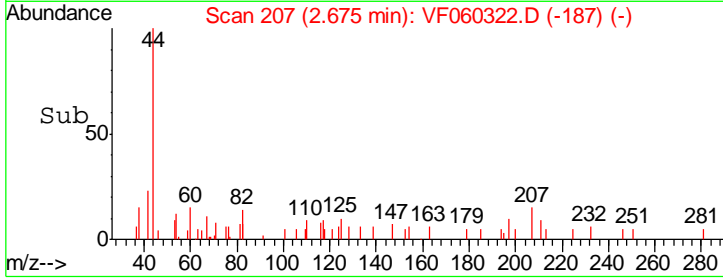
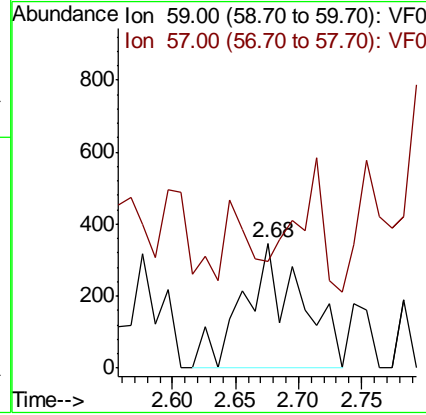
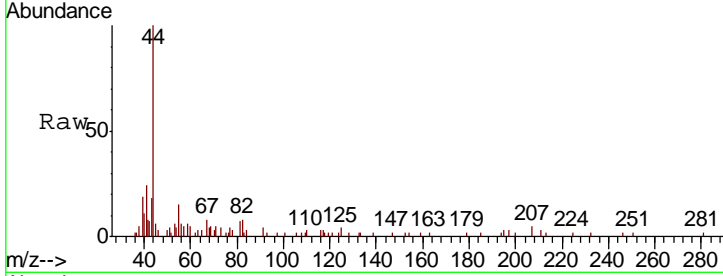




#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 2.68 min Scan# 207
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

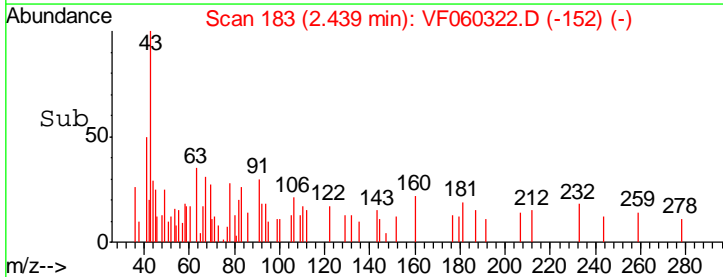
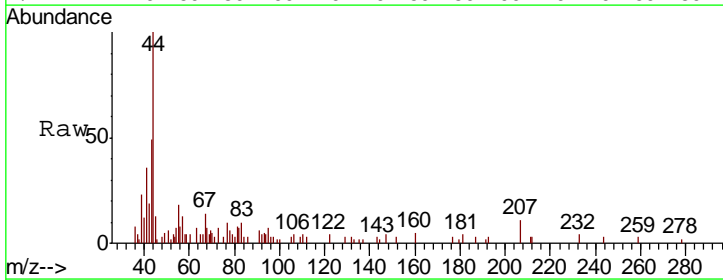
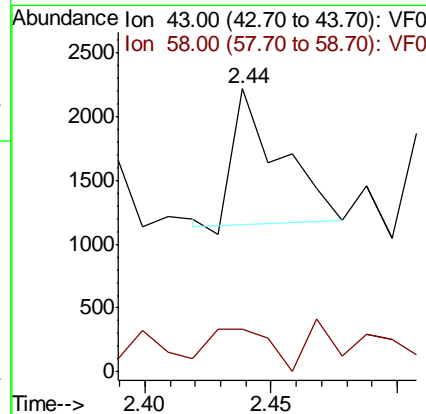
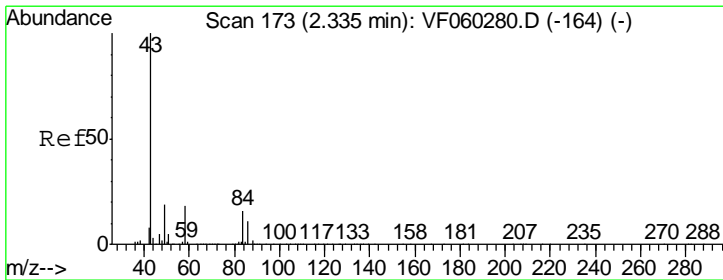
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

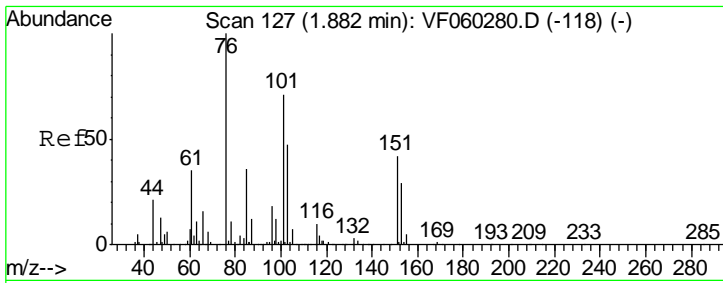
Tgt Ion	Resp	Lower	Upper
59	1080		
57	85.0	12.4	18.6#



#16
 Acetone
 Concen: 1.906 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.10 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
43	1365		
58	15.1	14.5	21.7

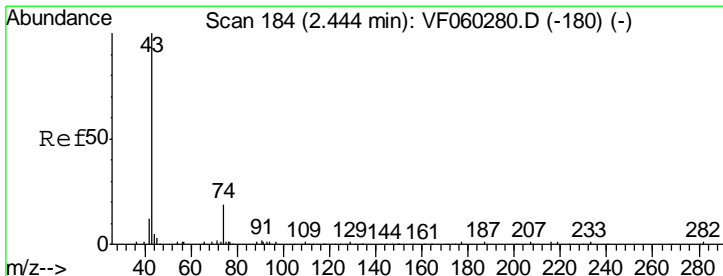
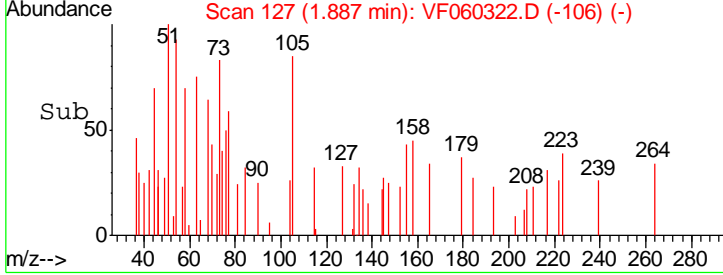
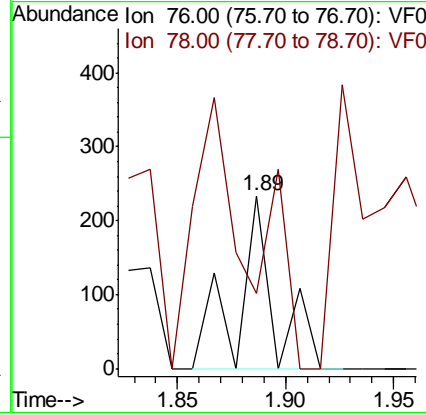
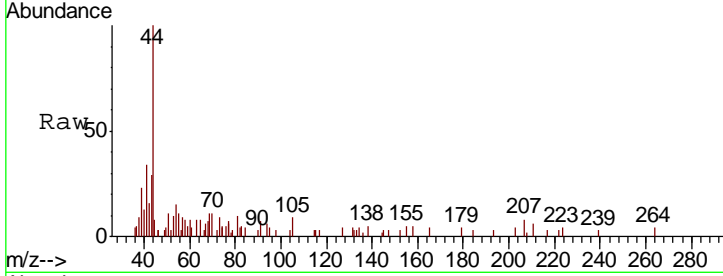




#17
 Carbon Disulfide
 Concen: Below Cal
 RT: 1.89 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

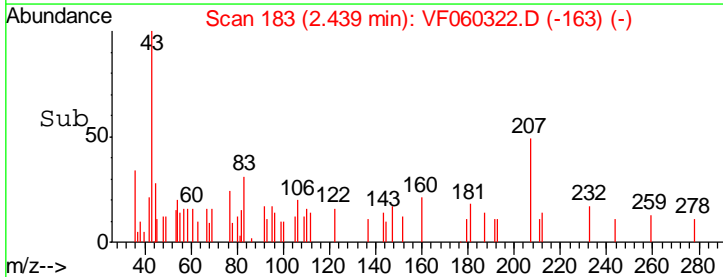
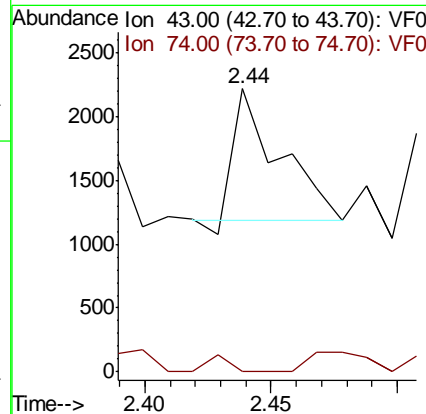
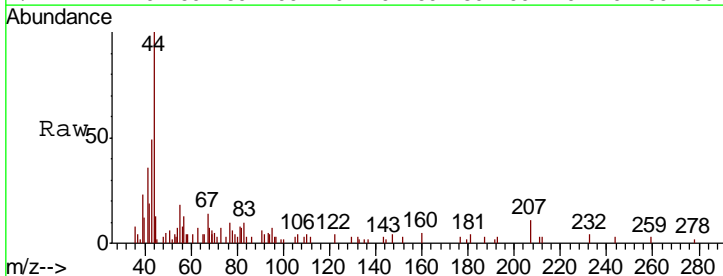
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

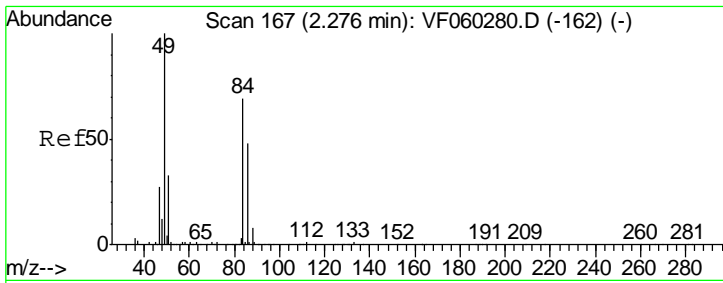
Tgt Ion	Resp	Lower	Upper
76	100		
78	43.2	9.4	14.0#



#18
 Methyl Acetate
 Concen: 1.077 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
43	100		
74	0.0	12.7	19.1#

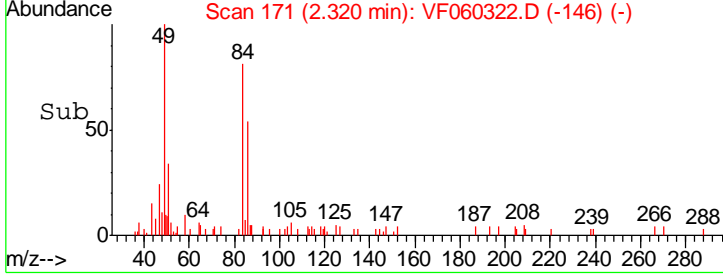
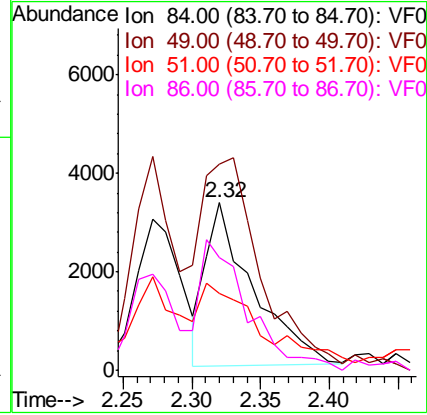
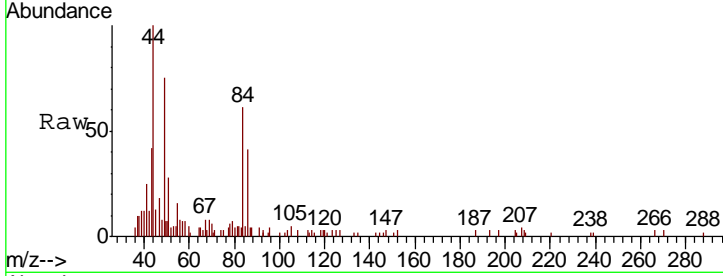




#20
 Methylene Chloride
 Concen: Below Cal
 RT: 2.32 min Scan# 171
 Delta R.T. 0.04 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

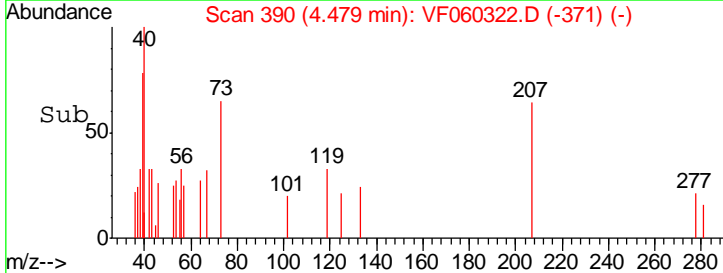
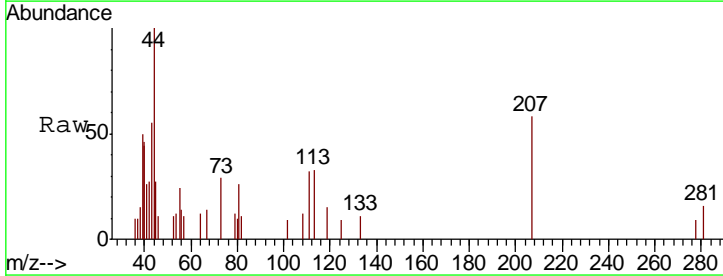
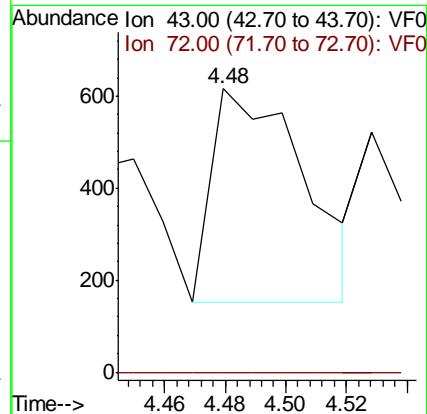
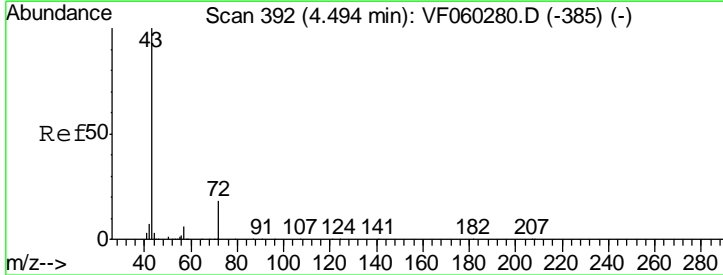
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

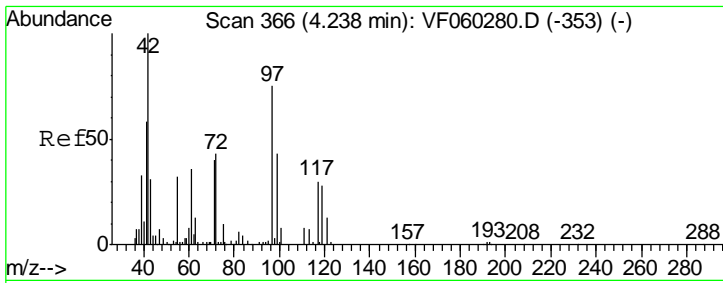
Tgt Ion	Resp	Lower	Upper
84	7917		
84	100		
49	123.0	118.3	177.5
51	45.6	38.7	58.1
86	67.0	55.8	83.6



#25
 2-Butanone
 Concen: 1.018 ug/l
 RT: 4.48 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
43	981		
43	100		
72	0.0	16.2	24.2#

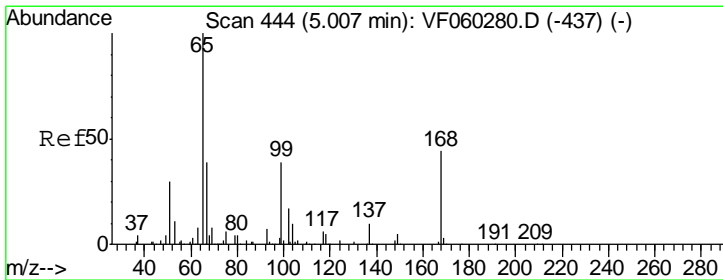
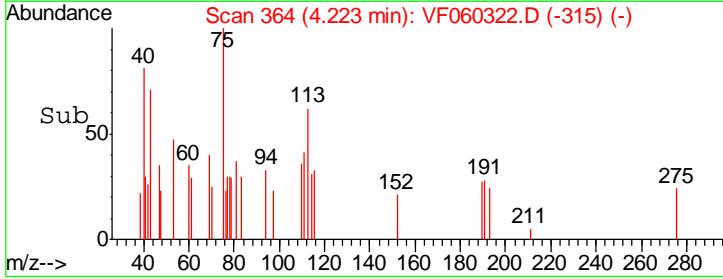
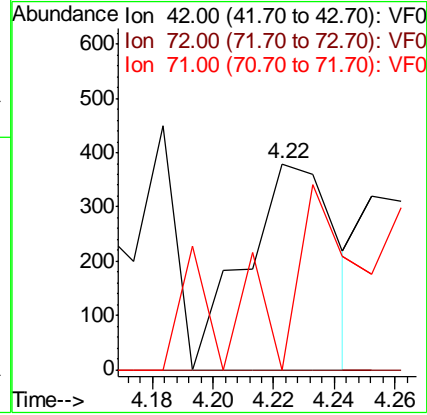
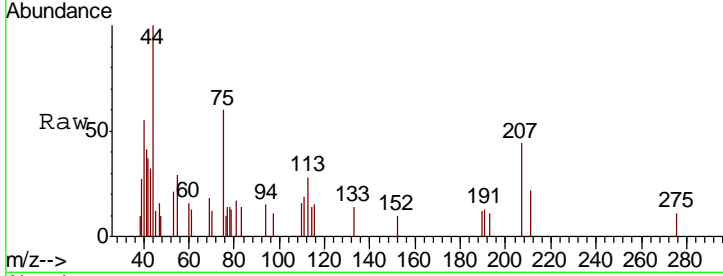




#29
 Tetrahydrofuran
 Concen: 2.223 ug/l
 RT: 4.22 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

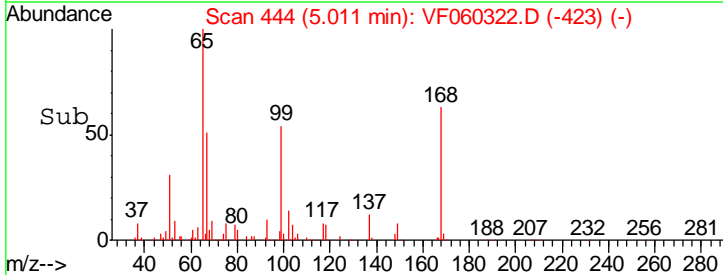
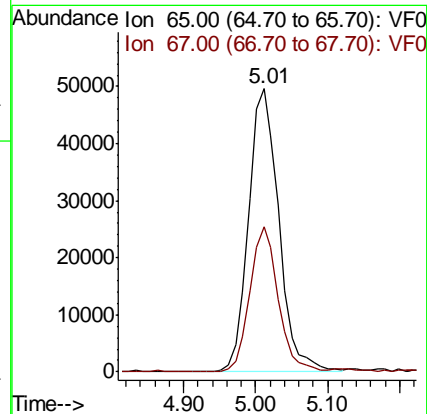
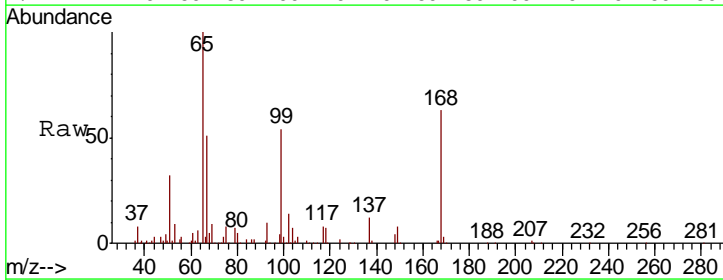
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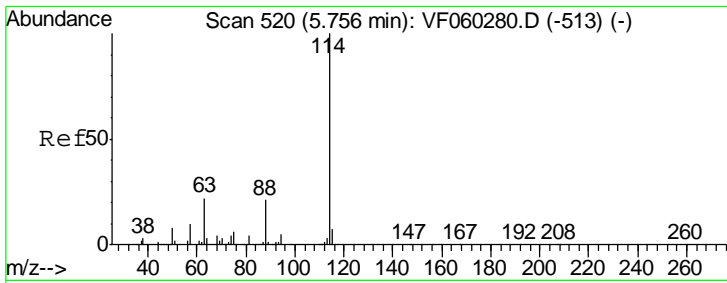
Tgt Ion	Resp	Lower	Upper
42	100		
72	0.0	32.6	49.0#
71	93.4	32.7	49.1#



#33
 1,2-Dichloroethane-d4
 Concen: 57.351 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.2	0.0	94.4

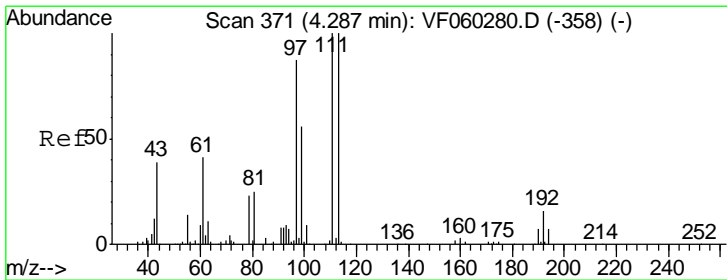
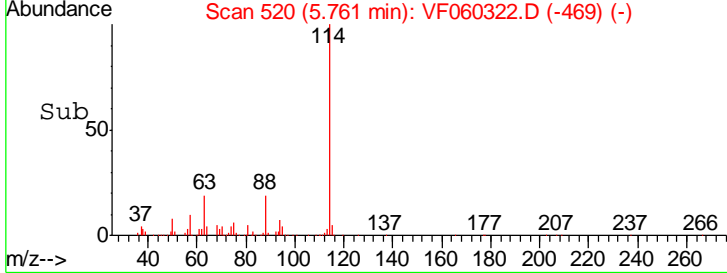
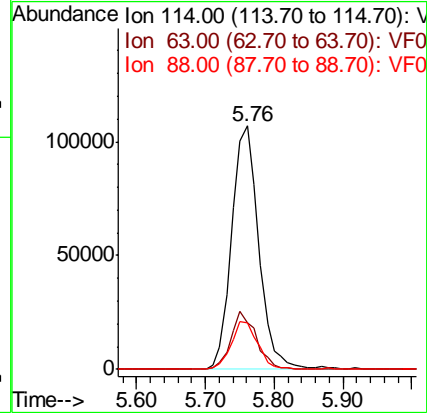
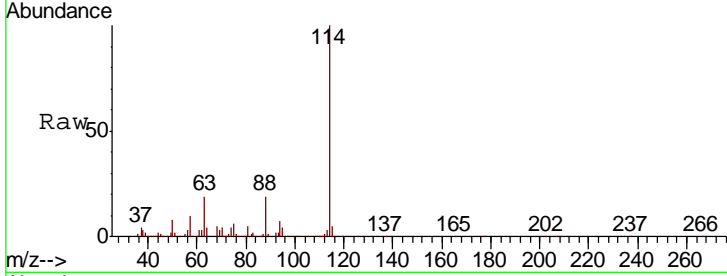




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

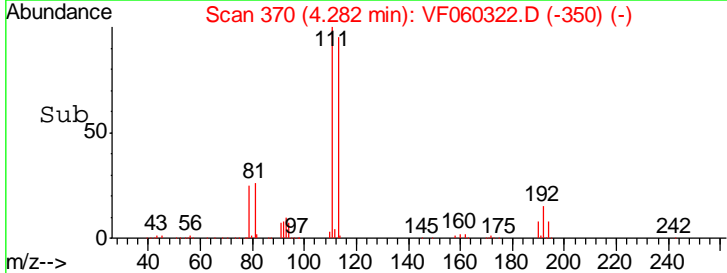
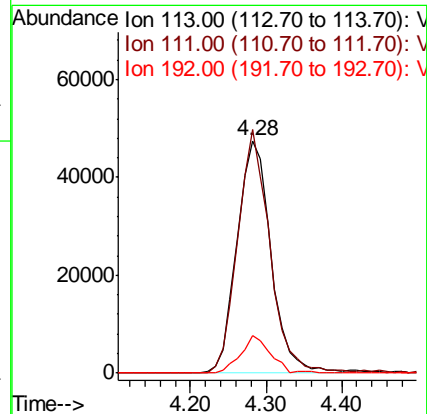
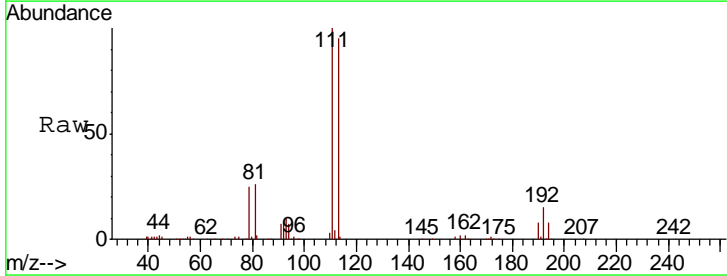
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

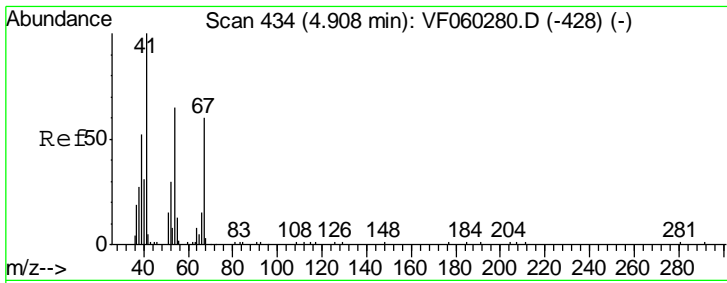
Tgt Ion	Resp	Lower	Upper
114	292570		
63	19.2	0.0	43.8
88	19.2	0.0	41.2



#35
 Dibromofluoromethane
 Concen: 56.584 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
113	147573		
111	104.9	79.6	119.4
192	16.2	13.0	19.6

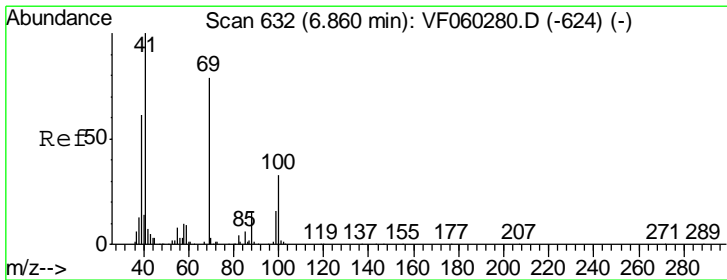
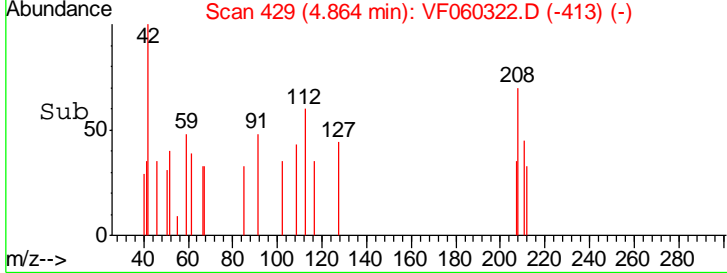
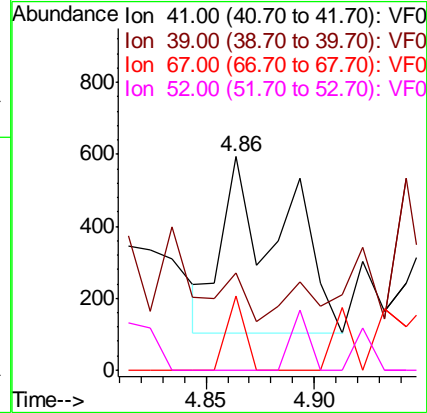
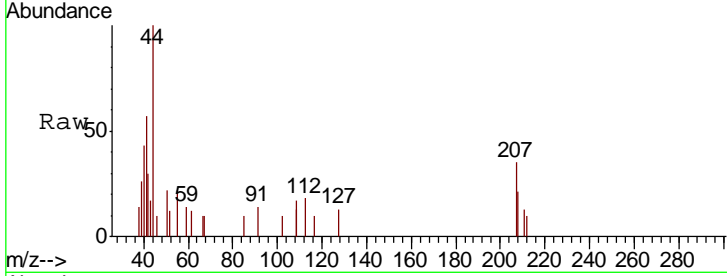




#41
 Methacrylonitrile
 Concen: 1.160 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.04 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

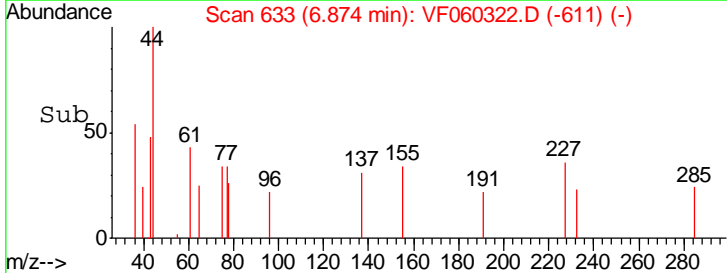
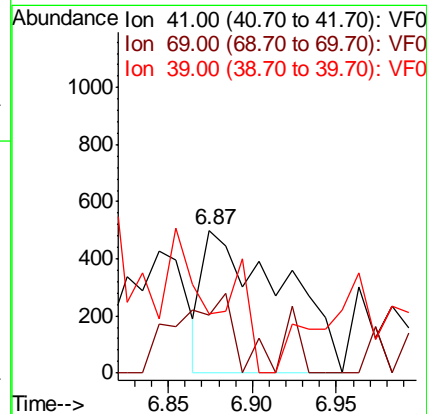
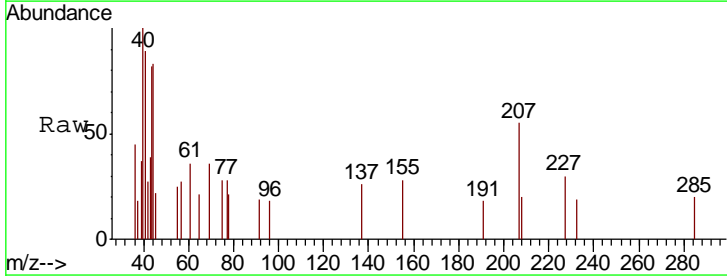
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

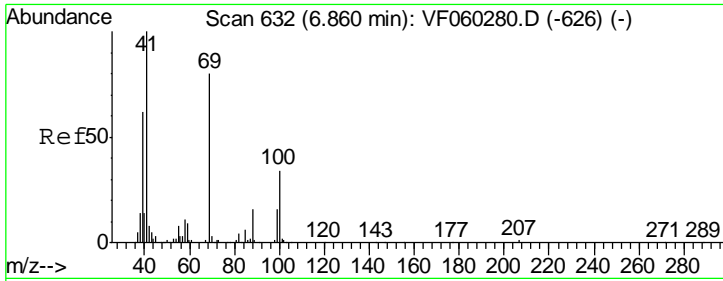
Tgt Ion	Resp	Lower	Upper
41	100		
39	45.6	49.1	73.7#
67	34.5	48.2	72.4#
52	0.0	35.8	53.8#



#48
 Methyl methacrylate
 Concen: 1.239 ug/l
 RT: 6.87 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
41	100		
69	40.5	62.6	94.0#
39	41.9	49.1	73.7#

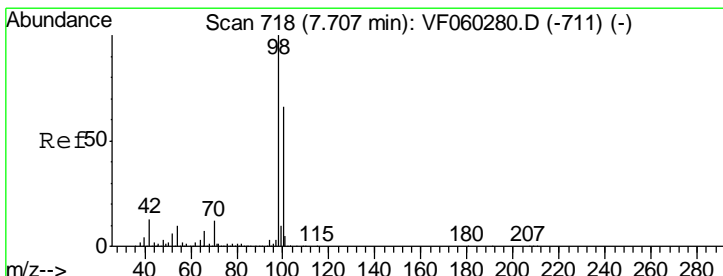
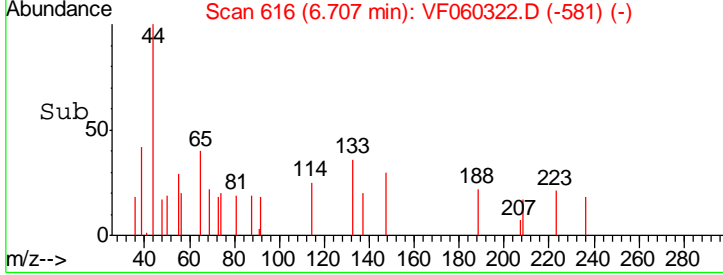
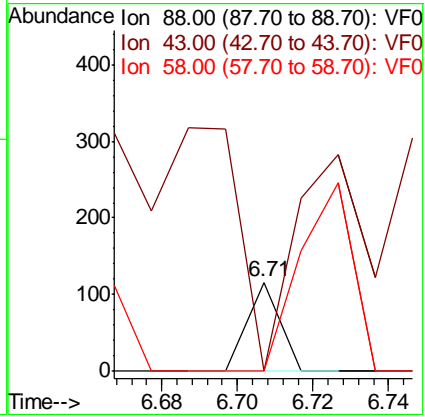
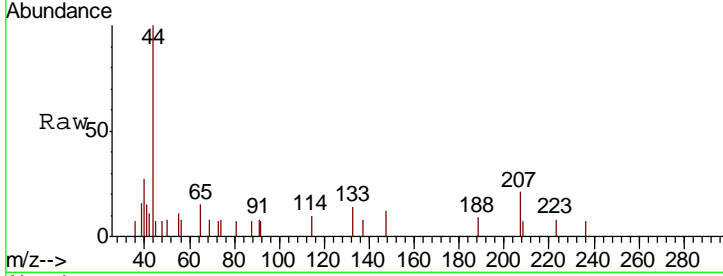




#49
 1,4-Dioxane
 Concen: 5.919 ug/l
 RT: 6.71 min Scan# 616
 Delta R.T. -0.15 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

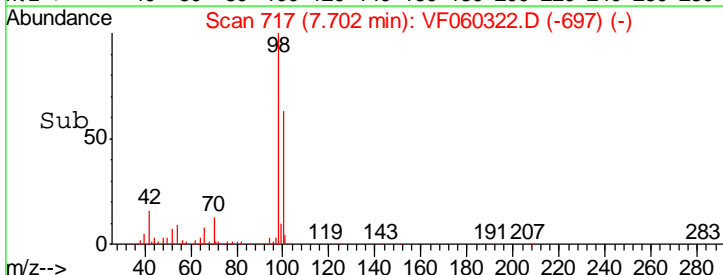
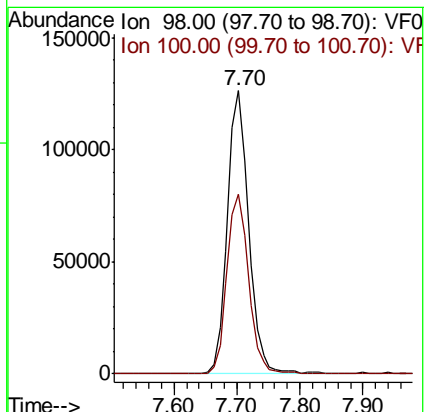
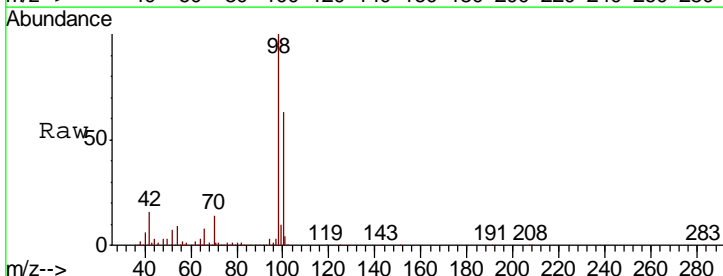
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

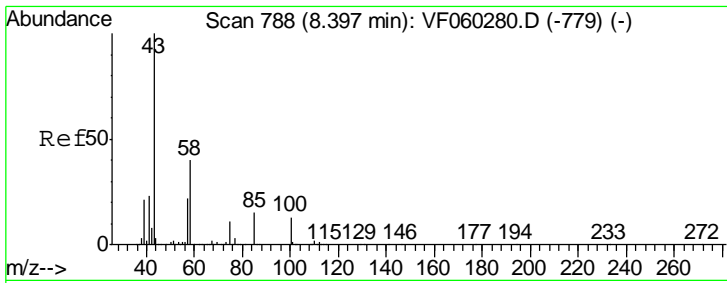
Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	40.2	60.4#
58	0.0	56.7	85.1#



#50
 Toluene-d8
 Concen: 43.543 ug/l
 RT: 7.70 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.3	53.0	79.6

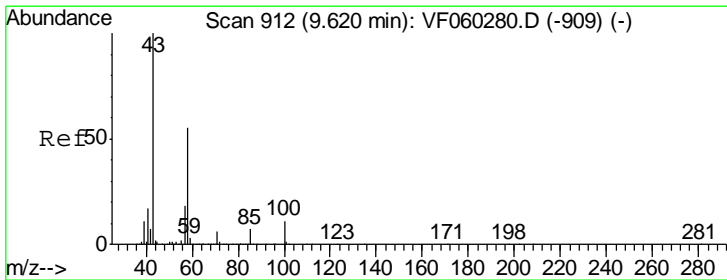
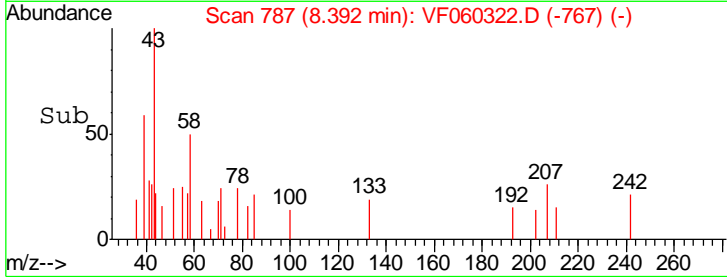
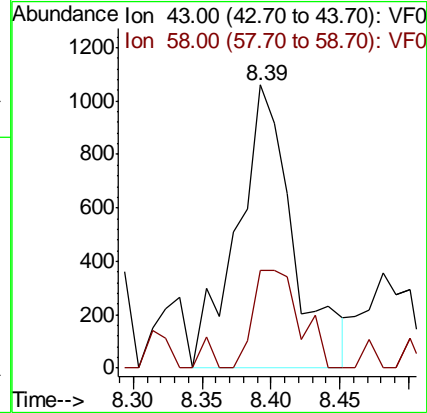
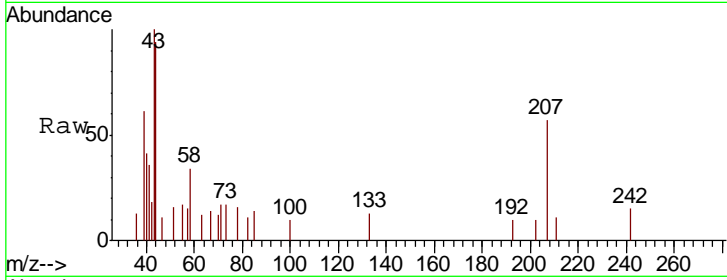




#51
 4-Methyl-2-Pentanone
 Concen: 2.093 ug/l
 RT: 8.39 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

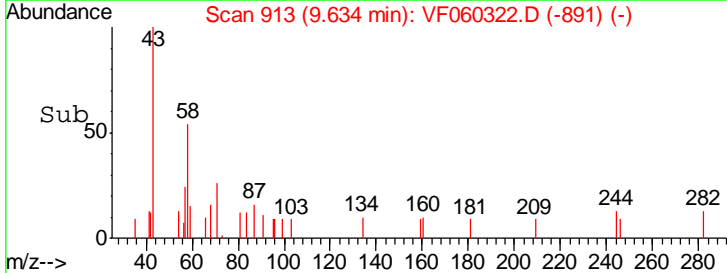
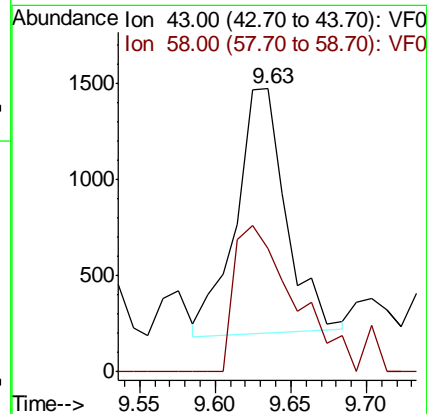
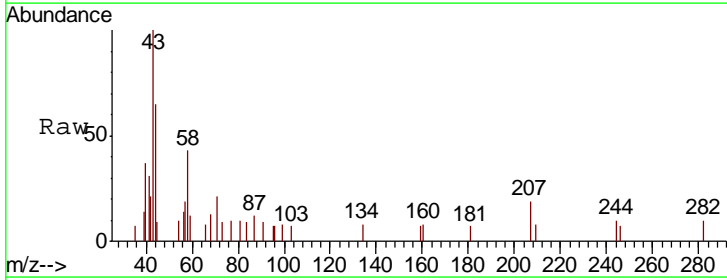
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-03-092018-A

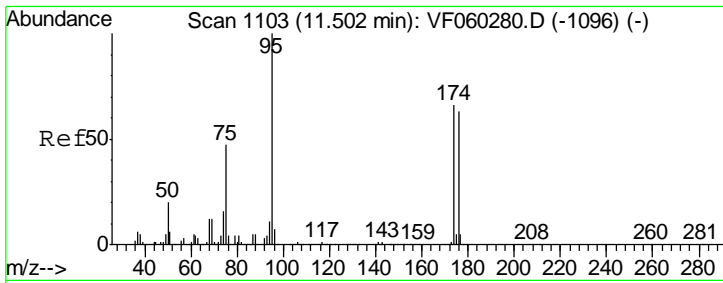
Tgt Ion: 43 Resp: 2999
 Ion Ratio Lower Upper
 43 100
 58 34.4 31.8 47.8



#59
 2-Hexanone
 Concen: 2.884 ug/l
 RT: 9.63 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion: 43 Resp: 2942
 Ion Ratio Lower Upper
 43 100
 58 43.4 25.9 77.6

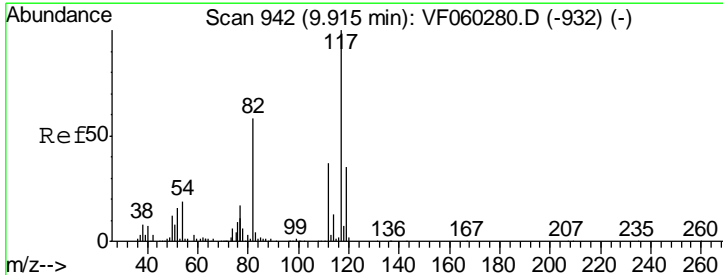
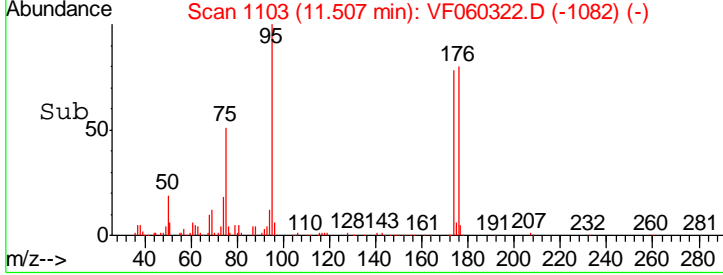
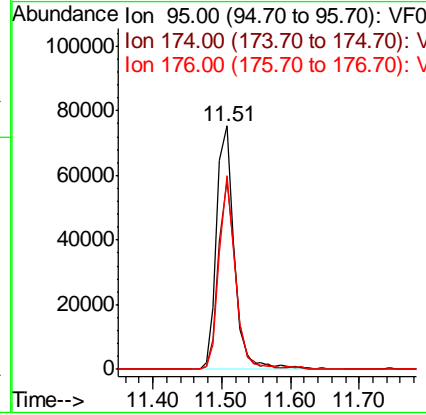
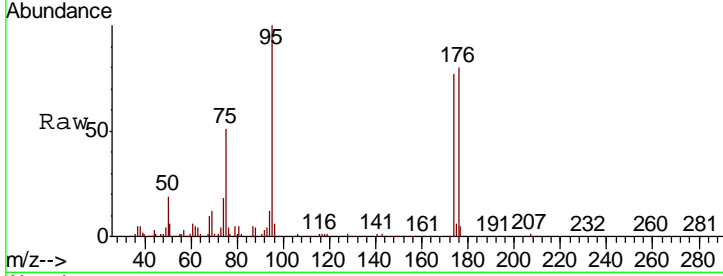




#62
 4-Bromofluorobenzene
 Concen: 46.090 ug/l
 RT: 11.51 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

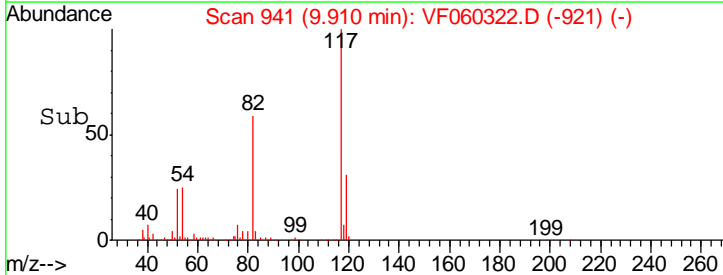
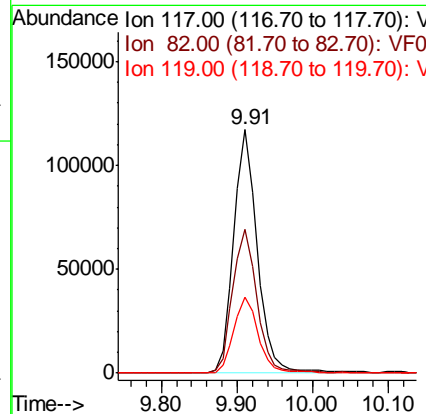
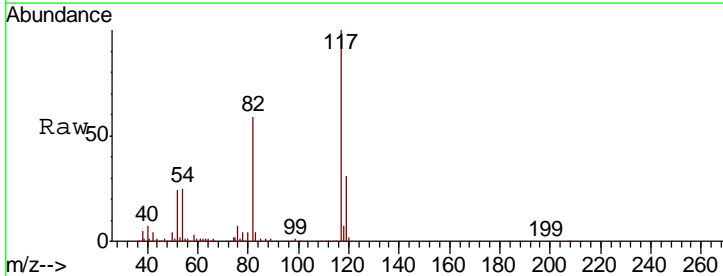
Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

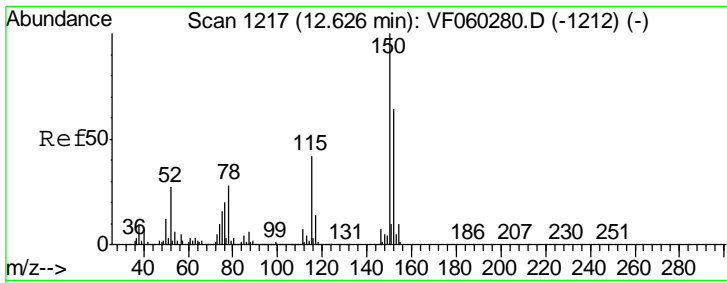
Tgt Ion	Resp	Lower	Upper
95	135318		
174	77.3	0.0	131.2
176	79.5	0.0	126.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.91 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
117	253578		
82	58.9	46.2	69.2
119	31.4	27.8	41.6

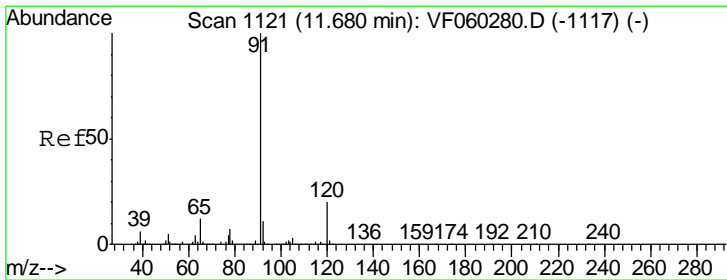
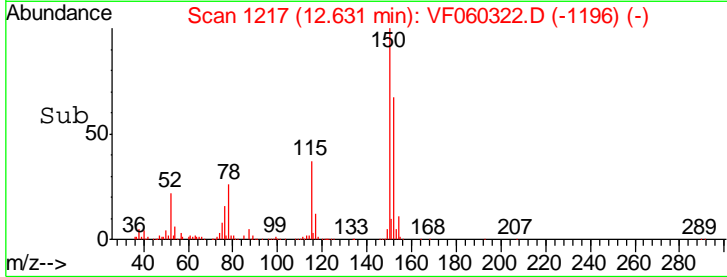
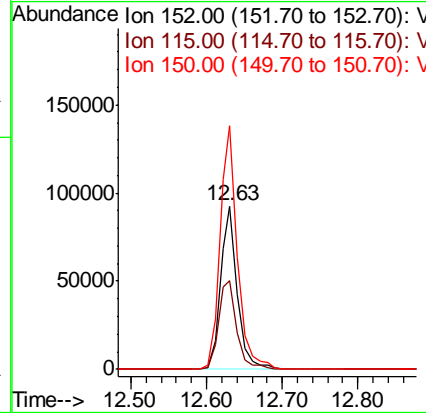
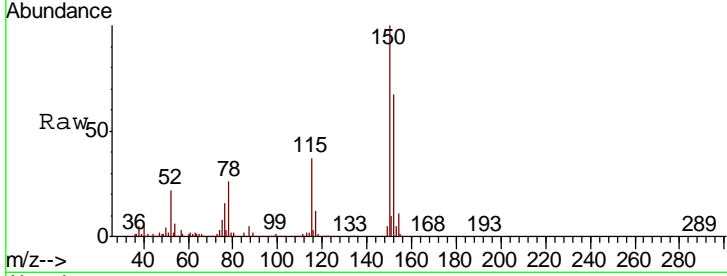




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

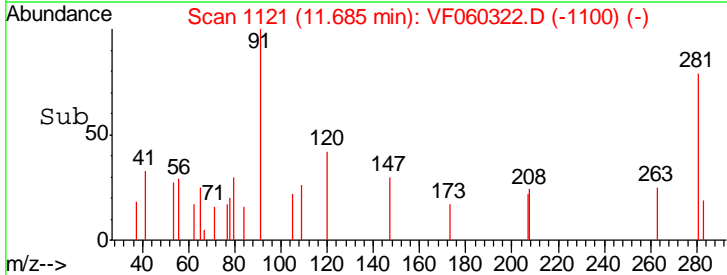
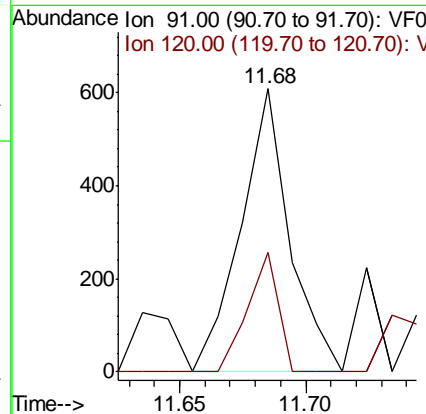
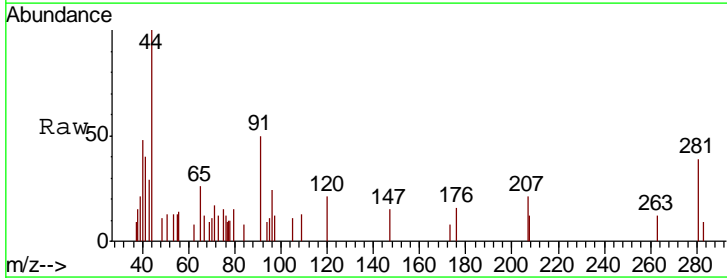
Instrument :
 MSVOA_F
 ClientSampled :
 PL-03-092018-A

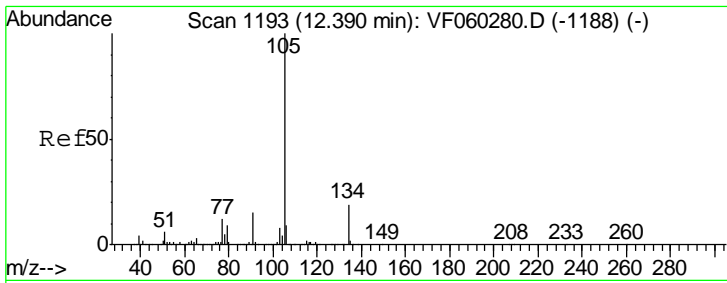
Tgt Ion	Resp	Lower	Upper
152	100		
115	54.4	32.6	97.8
150	148.9	0.0	314.2



#78
 n-propylbenzene
 Concen: Below Cal
 RT: 11.68 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
91	100		
120	42.1	10.0	29.8

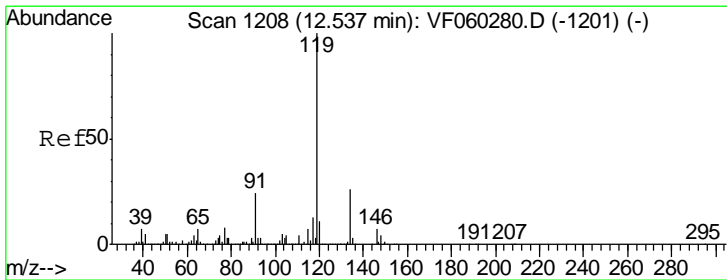
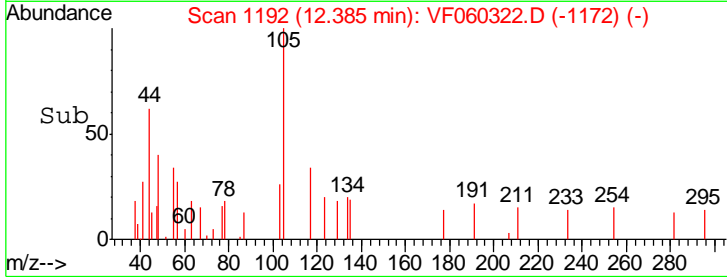
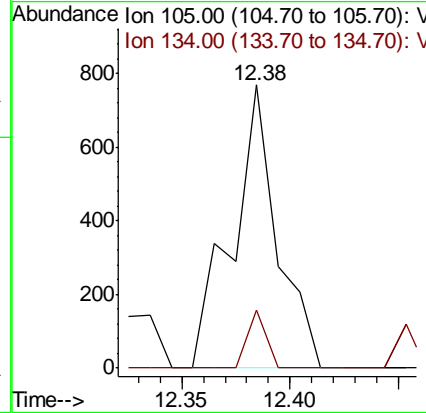
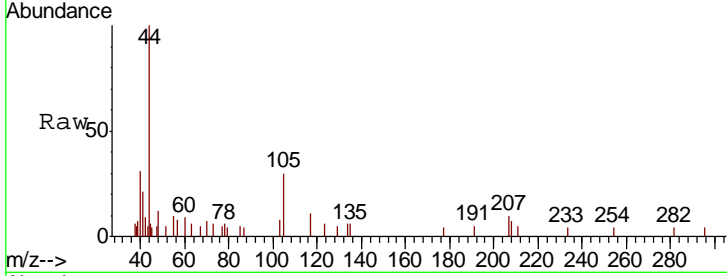




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Instrument : MSVOA_F
 ClientSampled : PL-03-092018-A

Tgt Ion	Resp	Lower	Upper
105	1111		
134	20.4	9.6	28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VF060322.D
 Acq: 21 Sep 2018 19:47

Tgt Ion	Resp	Lower	Upper
119	985		
134	47.6	12.9	38.7#
91	41.6	11.9	35.7#

