

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059879.D
 Acq On : 4 Aug 2018 12:05
 Operator : VA/AP
 Sample : J4333-09
 Misc : 5.84g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 06 02:18:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	132852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	178844	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	143027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	42186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	130056	54.30	ug/l	0.00
Spiked Amount			50.000	Recovery =		108.60%
35) Dibromofluoromethane	4.29	113	107347	60.33	ug/l	0.00
Spiked Amount			50.000	Recovery =		120.66%
50) Toluene-d8	7.72	98	157879	41.70	ug/l	0.00
Spiked Amount			50.000	Recovery =		83.40%
62) 4-Bromofluorobenzene	11.51	95	49118	23.09	ug/l	0.00
Spiked Amount			50.000	Recovery =		46.18%

Target Compounds

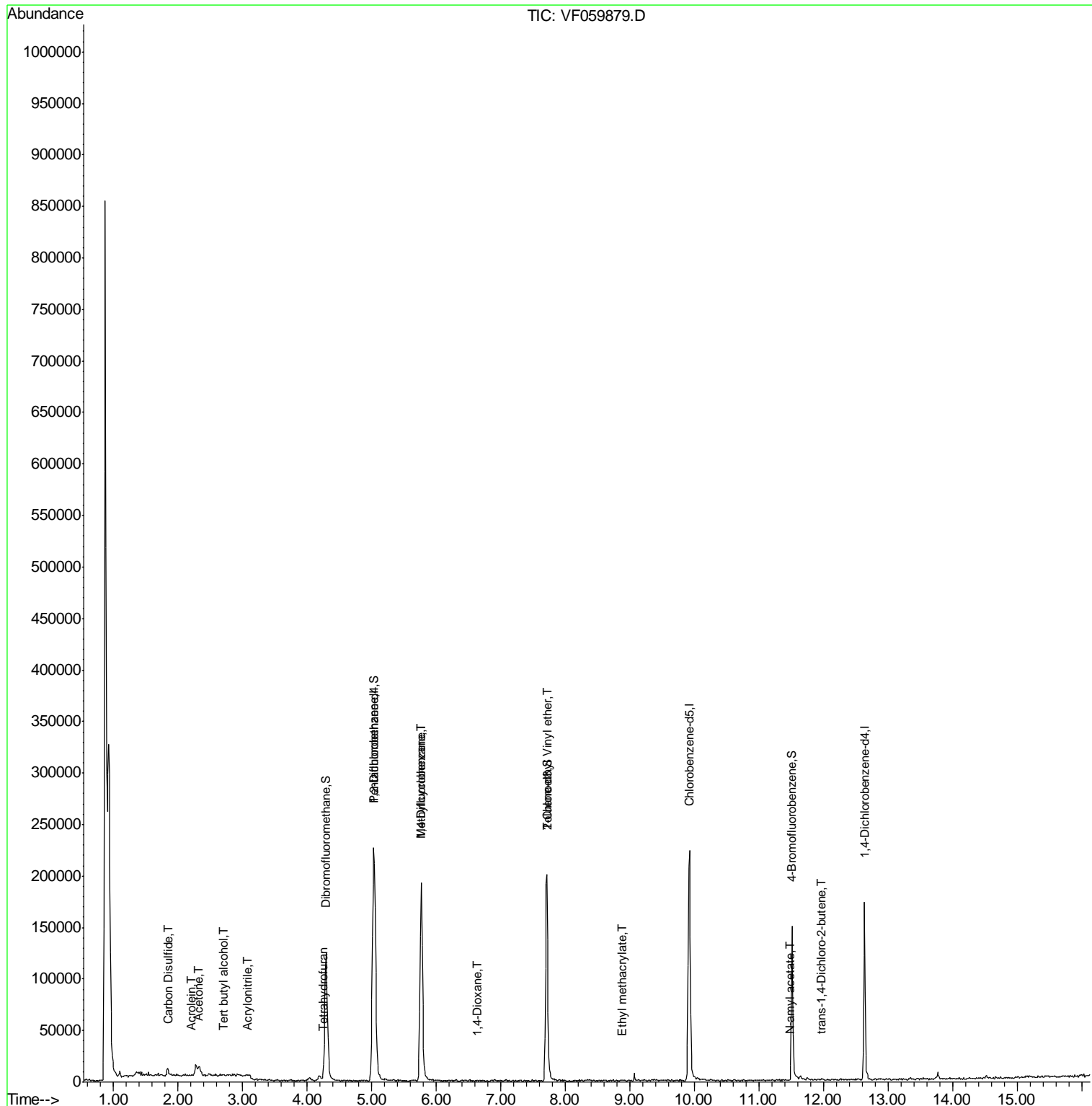
					Qvalue	
11) Tert butyl alcohol	2.70	59	295	3.054	ug/l #	1
13) Acrolein	2.19	56	73	1.261	ug/l	94
15) Acrylonitrile	3.08	53	467	2.638	ug/l #	13
16) Acetone	2.33	43	6714	15.185	ug/l #	92
17) Carbon Disulfide	1.84	76	10126	3.196	ug/l	97
29) Tetrahydrofuran	4.24	42	209	1.181	ug/l #	38
39) Methylcyclohexane	5.76	83	4442	2.863	ug/l #	34
40) Benzene	4.82	78	332	Below Cal	#	70
49) 1,4-Dioxane	6.64	88	86	95.900	ug/l #	16
56) Ethyl methacrylate	8.87	69	70	3.420	ug/l #	12
58) 2-Chloroethyl Vinyl ether	7.72	63	444	3.568	ug/l	100
74) N-amyl acetate	11.47	43	106	3.112	ug/l #	48
81) trans-1,4-Dichloro-2-buten	11.96	75	219	1.439	ug/l #	13

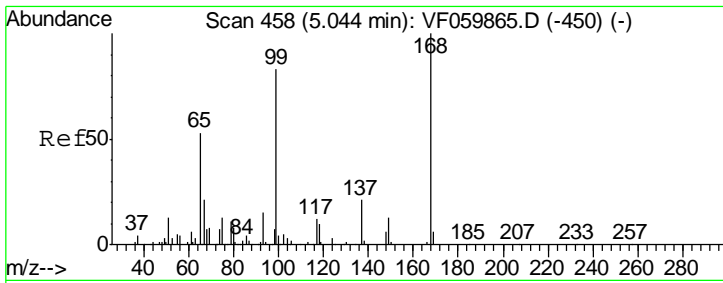
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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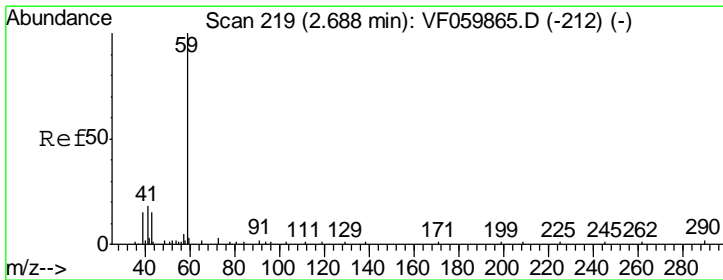
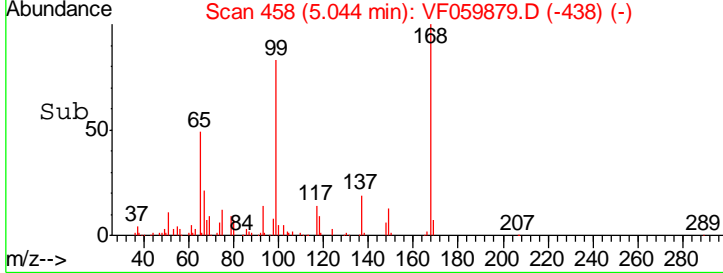
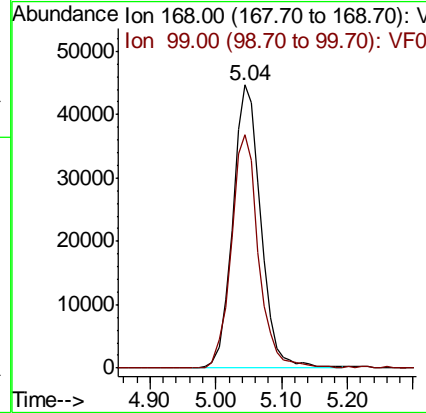
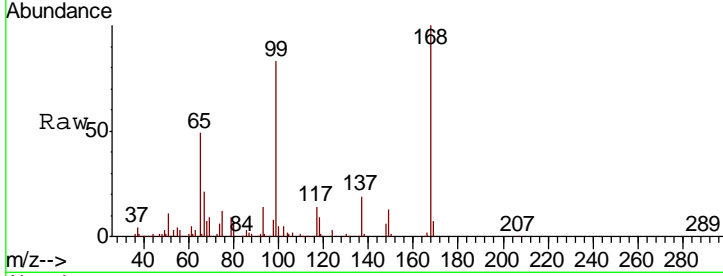




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

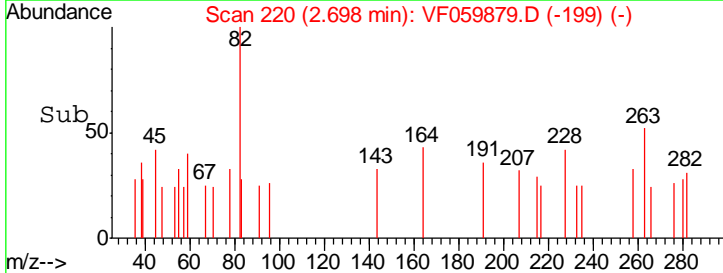
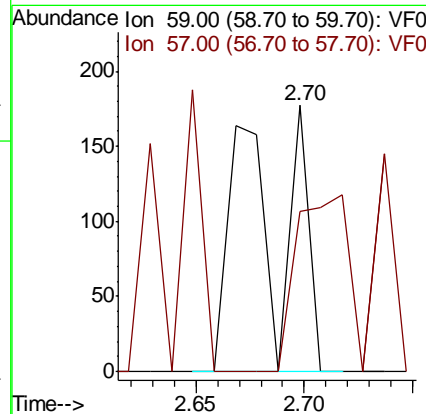
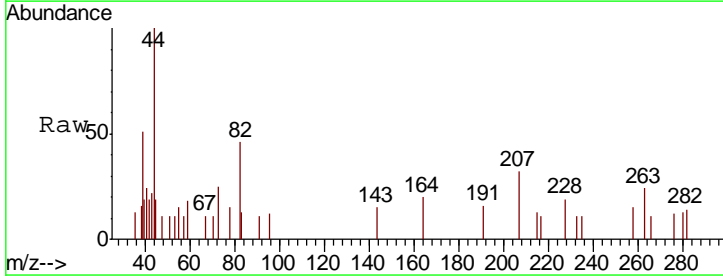
Instrument :
 MSVOA_F
 ClientSampled :

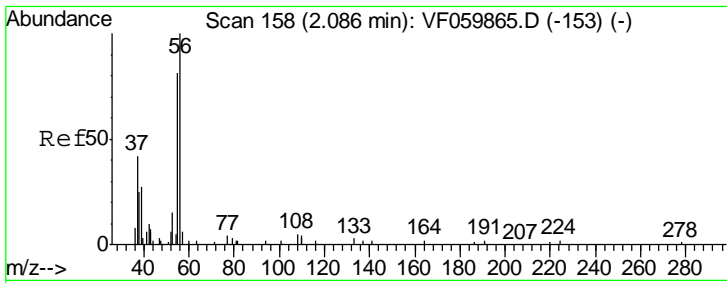
Tgt Ion	Resp	Lower	Upper
168	100		
99	82.7	66.3	99.5



#11
 Tert butyl alcohol
 Concen: 3.054 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
59	100		
57	60.5	7.6	11.4

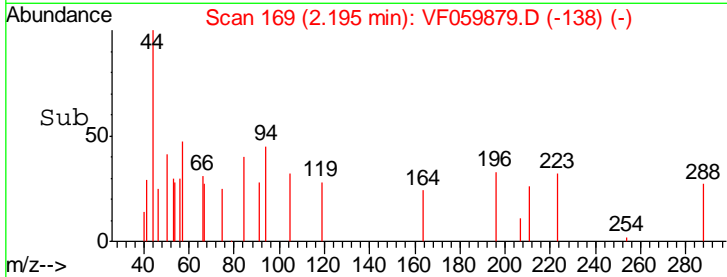
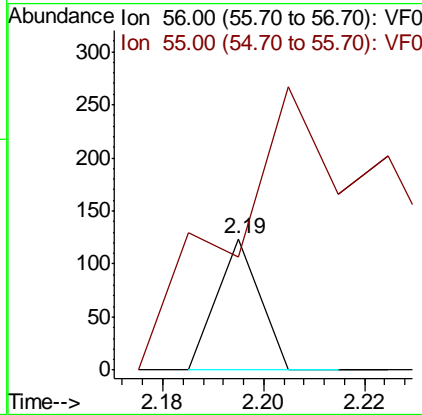
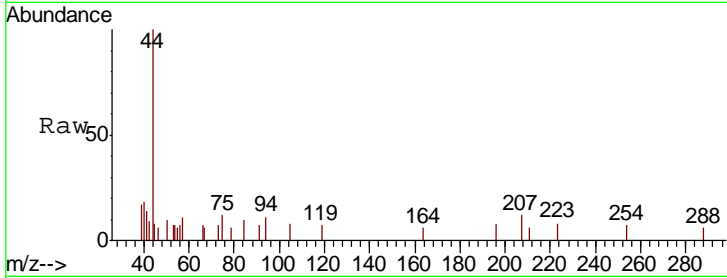




#13
 Acrolein
 Concen: 1.261 ug/l
 RT: 2.19 min Scan# 169
 Delta R.T. 0.11 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

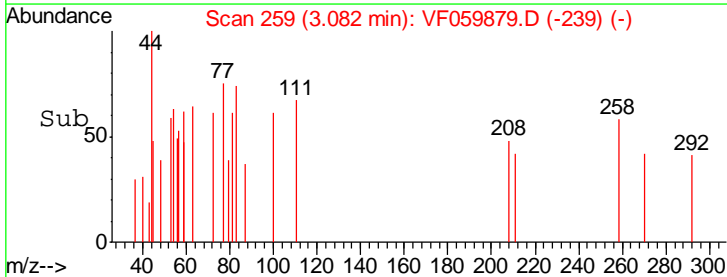
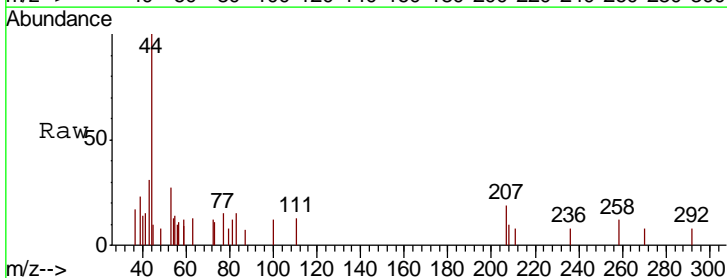
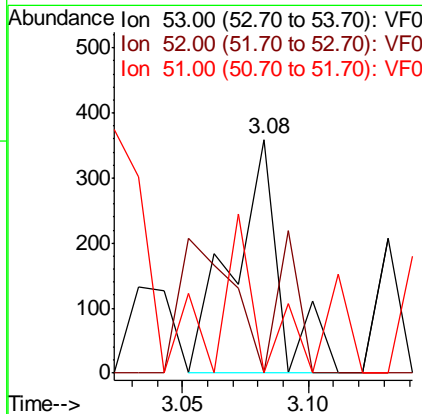
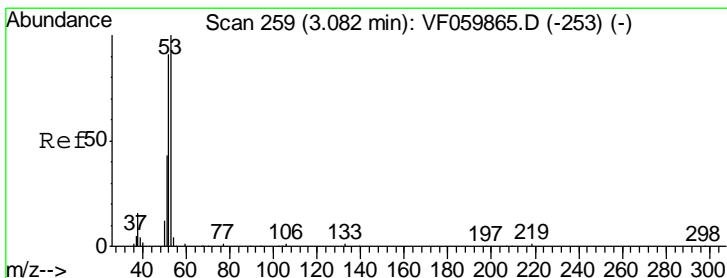
Instrument : MSVOA_F
 ClientSampled :

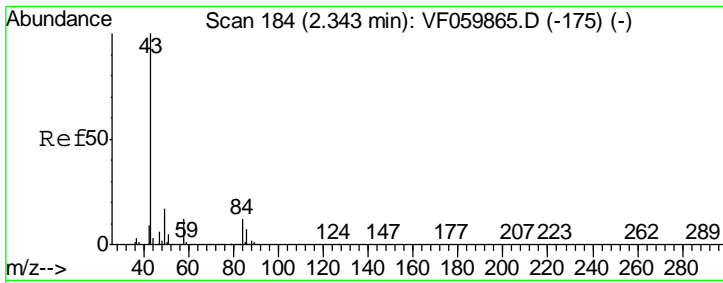
Tgt Ion:	56	Resp:	73
Ion Ratio	Lower	Upper	
56	100		
55	86.3	64.6	96.8



#15
 Acrylonitrile
 Concen: 2.638 ug/l
 RT: 3.08 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion:	53	Resp:	467
Ion Ratio	Lower	Upper	
53	100		
52	0.0	72.9	109.3#
51	0.0	34.5	51.7#

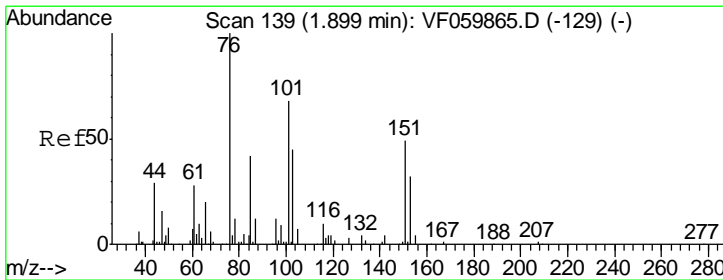
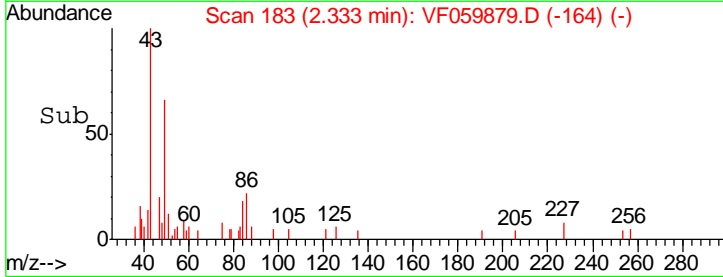
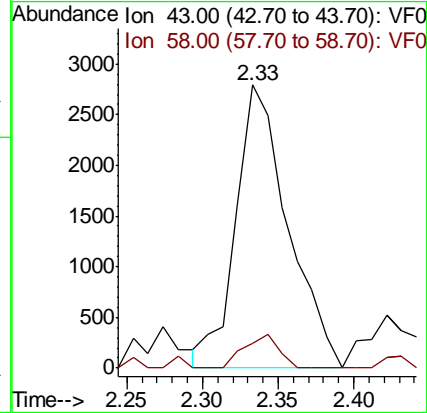
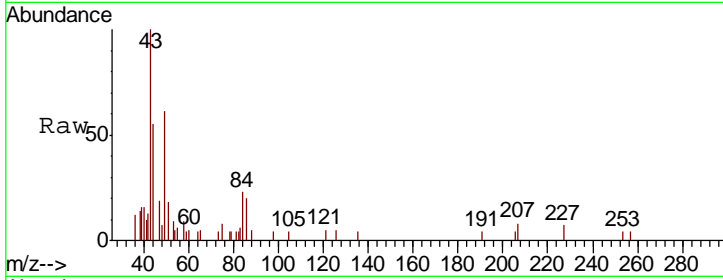




#16
 Acetone
 Concen: 15.185 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

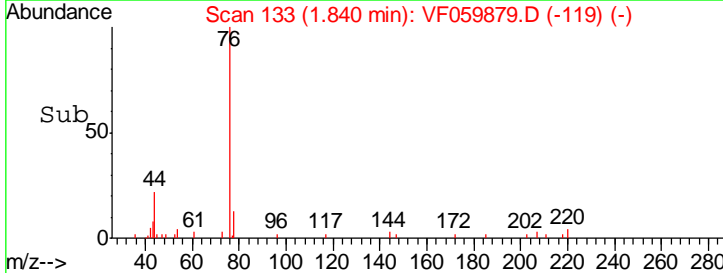
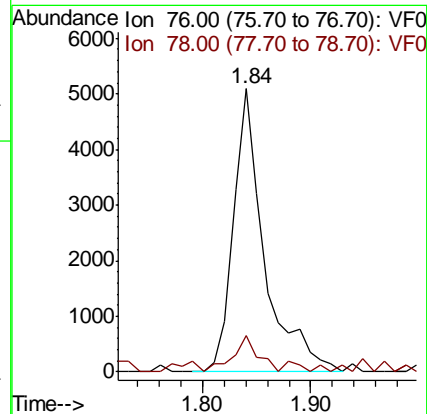
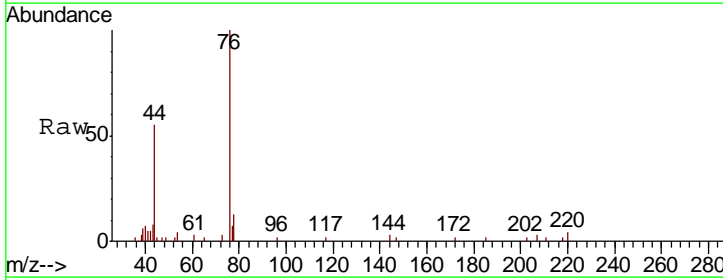
Instrument :
 MSVOA_F
 ClientSampled :

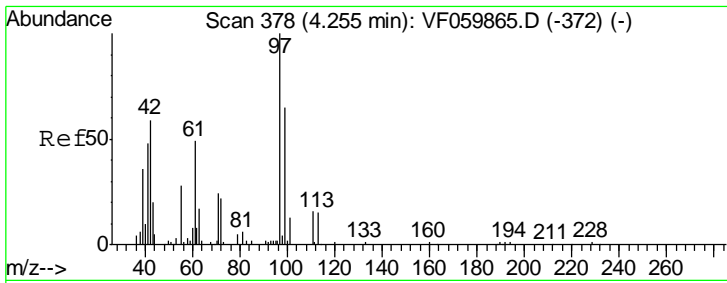
Tgt Ion	Ratio	Lower	Upper
43	100		
58	8.6	9.4	14.0#



#17
 Carbon Disulfide
 Concen: 3.196 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.06 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Ratio	Lower	Upper
76	100		
78	12.9	9.3	13.9

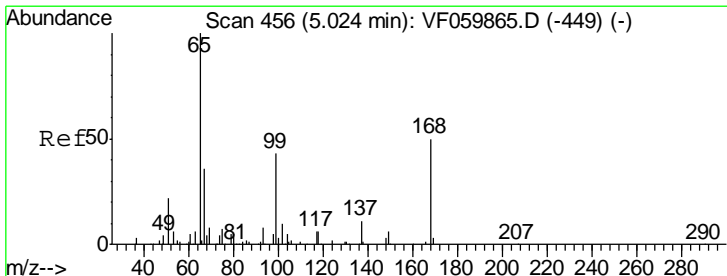
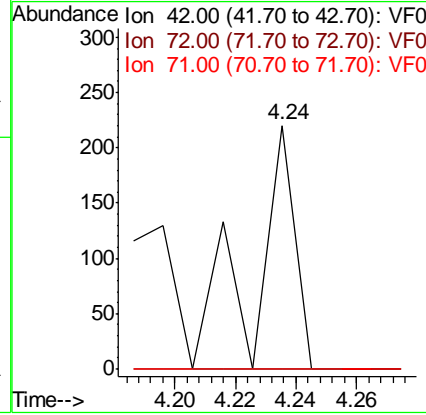
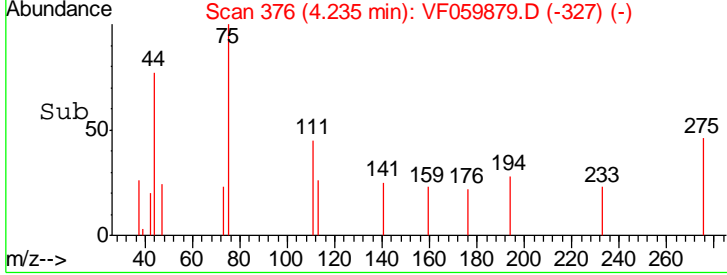
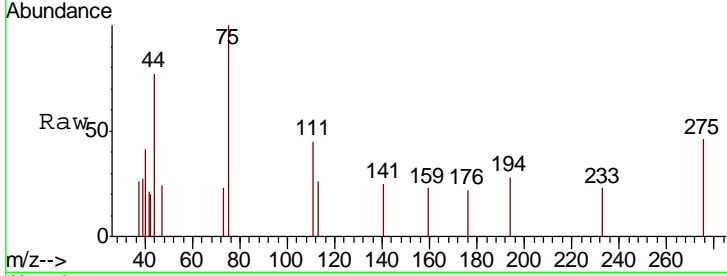




#29
 Tetrahydrofuran
 Concen: 1.181 ug/l
 RT: 4.24 min Scan# 376
 Delta R.T. -0.02 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

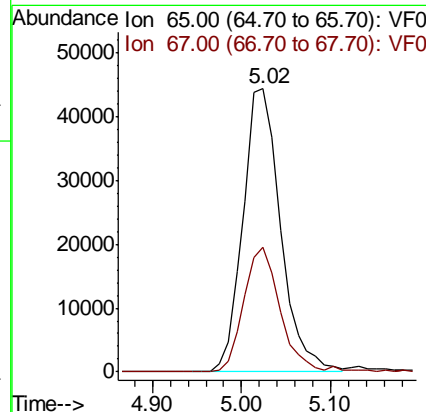
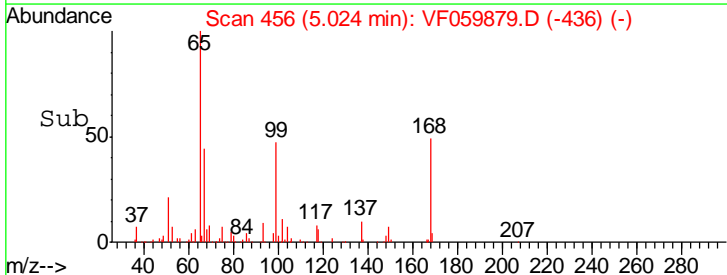
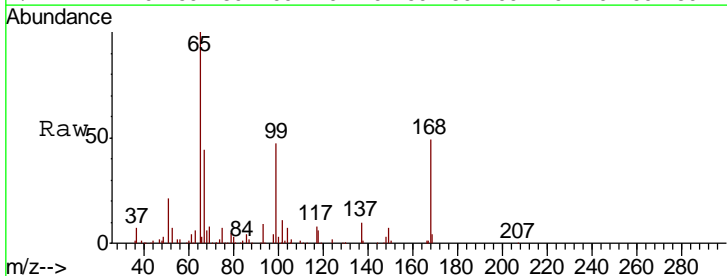
Instrument :
 MSVOA_F
 ClientSampled :

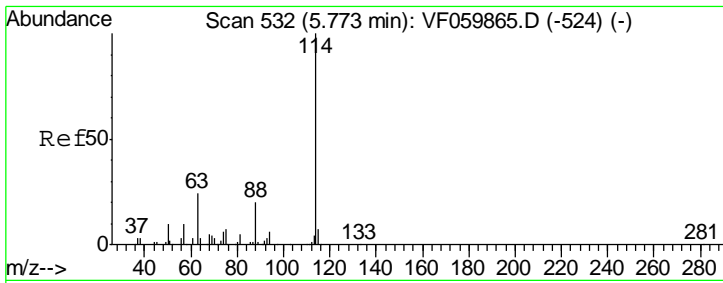
Tgt Ion	Resp	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	0.0	30.0	45.0#



#33
 1,2-Dichloroethane-d4
 Concen: 54.301 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
65	100		
67	44.2	0.0	77.2

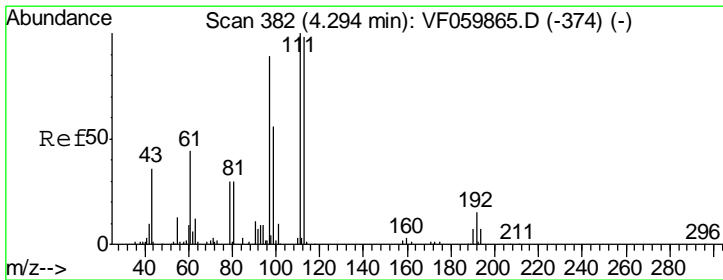
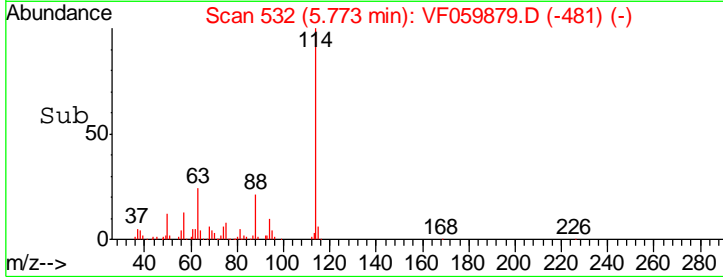
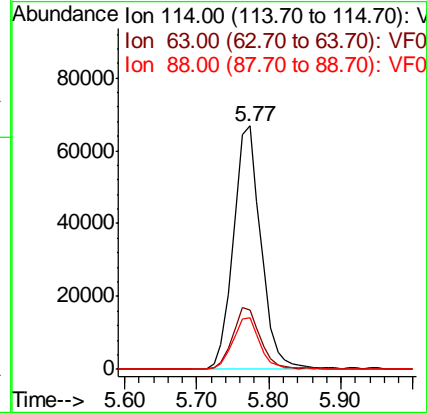
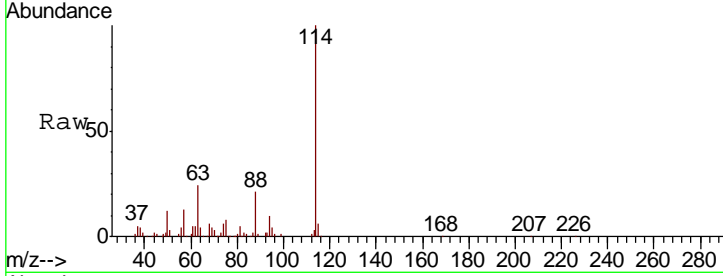




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

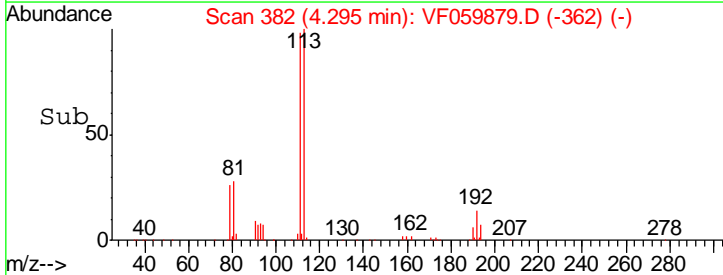
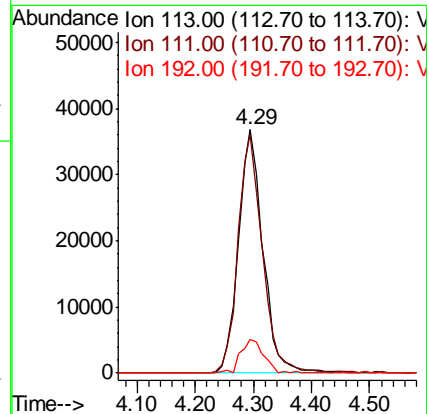
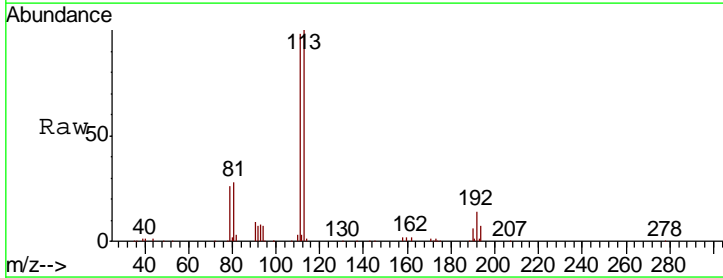
Instrument :
 MSVOA_F
 ClientSampled :

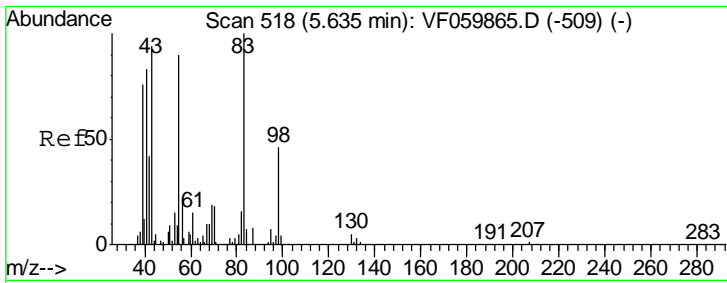
Tgt Ion	Resp	Lower	Upper
114	178844		
63	24.2	0.0	48.0
88	21.4	0.0	39.4



#35
 Dibromofluoromethane
 Concen: 60.327 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
113	107347		
111	97.9	81.8	122.8
192	13.6	12.4	18.6

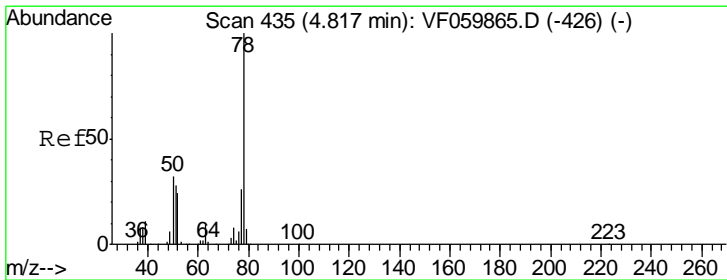
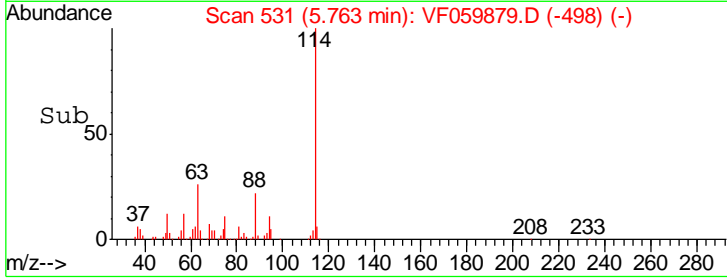
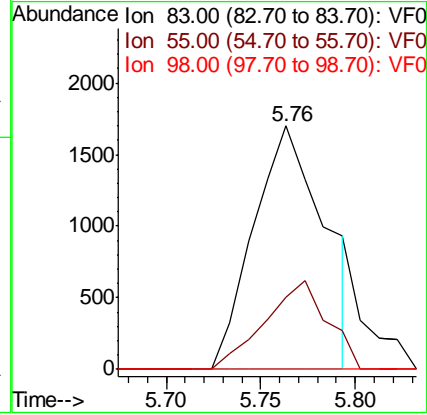
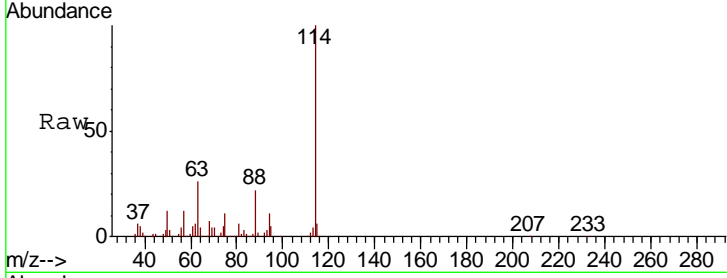




#39
 Methylcyclohexane
 Concen: 2.863 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.13 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

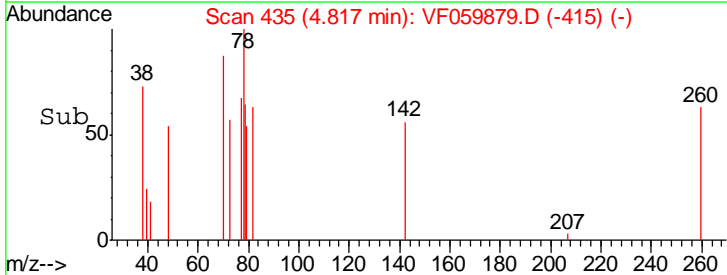
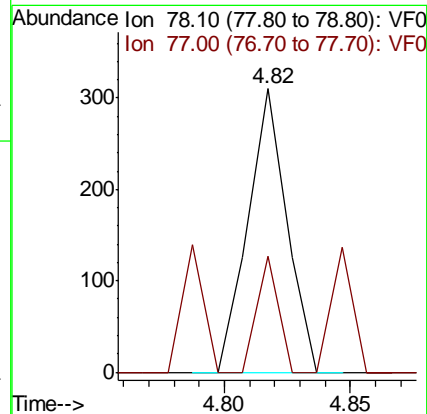
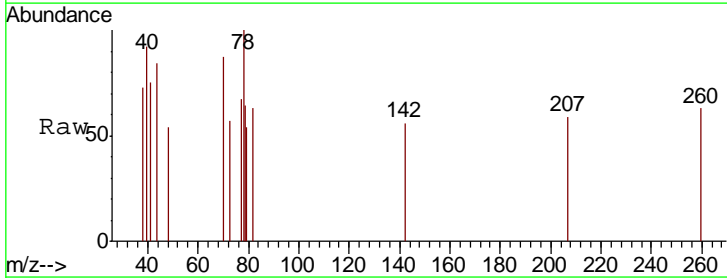
Instrument :
 MSVOA_F
 ClientSampled :

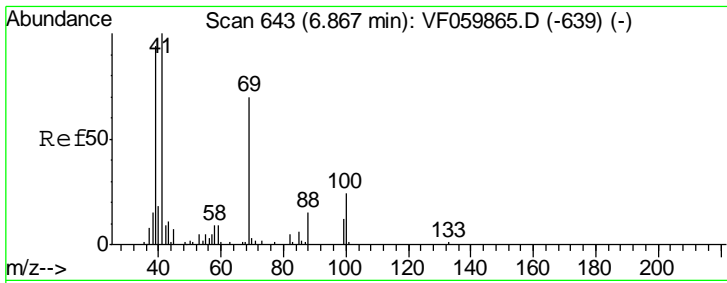
Tgt Ion: 83 Resp: 4442
 Ion Ratio Lower Upper
 83 100
 55 29.6 72.0 108.0#
 98 0.0 36.6 54.8#



#40
 Benzene
 Concen: Below Cal
 RT: 4.82 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion: 78 Resp: 332
 Ion Ratio Lower Upper
 78 100
 77 41.0 20.7 31.1#

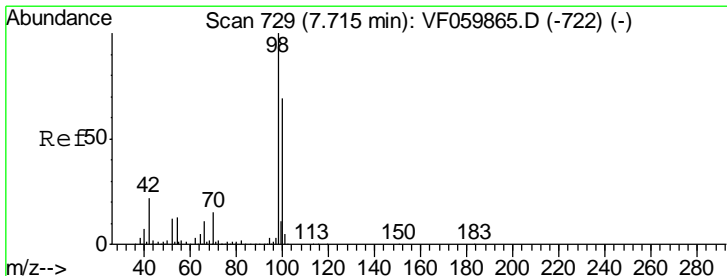
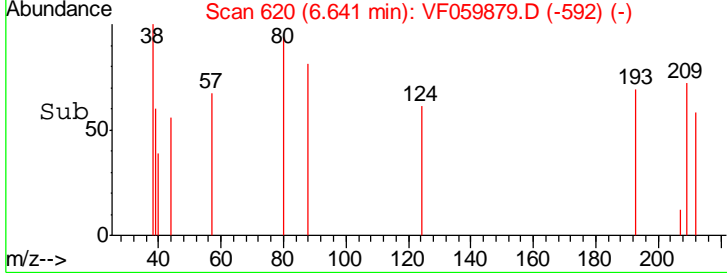
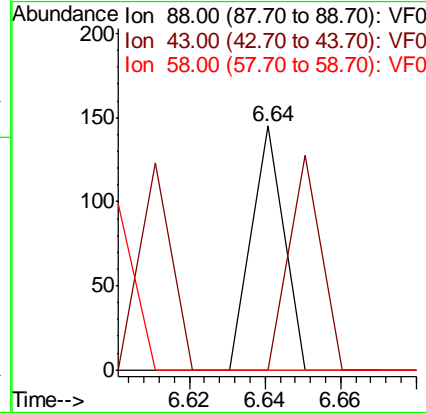
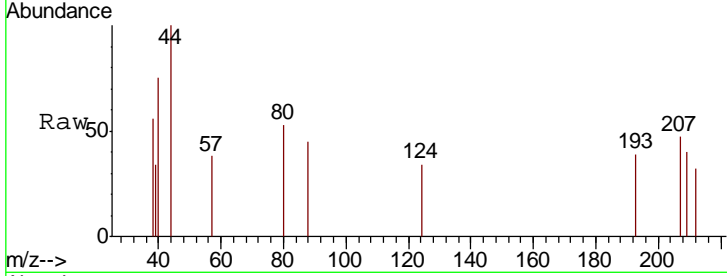




#49
 1,4-Dioxane
 Concen: 95.900 ug/l
 RT: 6.64 min Scan# 620
 Delta R.T. -0.23 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

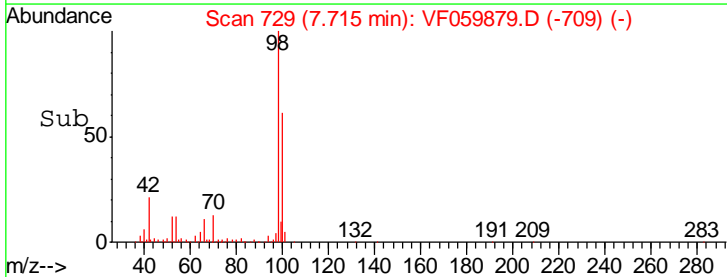
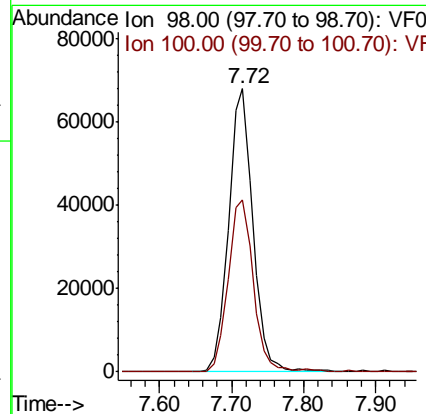
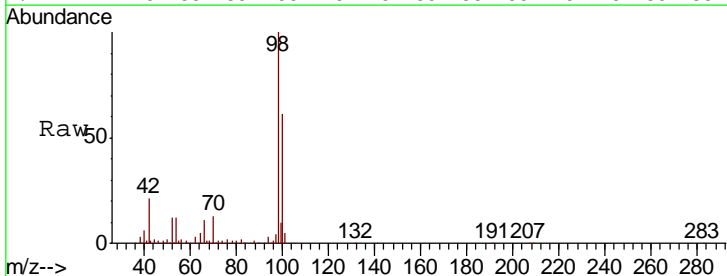
Instrument :
 MSVOA_F
 ClientSampled :

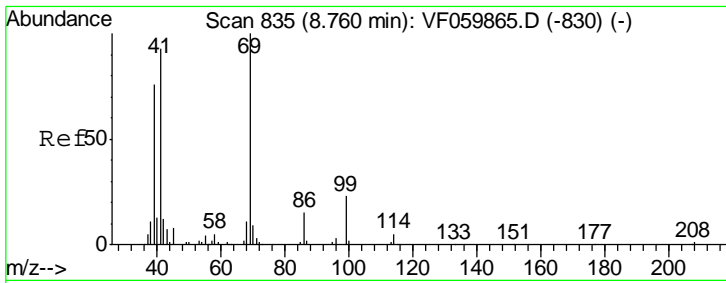
Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	58.3	87.5#
58	0.0	49.4	74.2#



#50
 Toluene-d8
 Concen: 41.700 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
98	100		
100	60.8	55.0	82.6

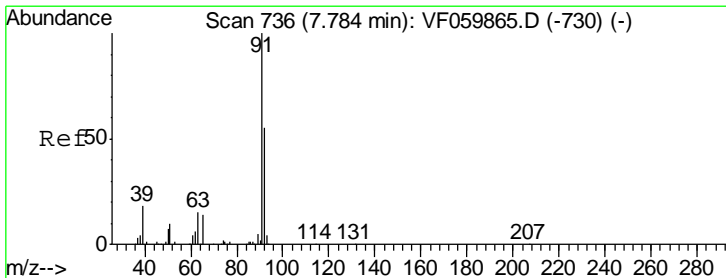
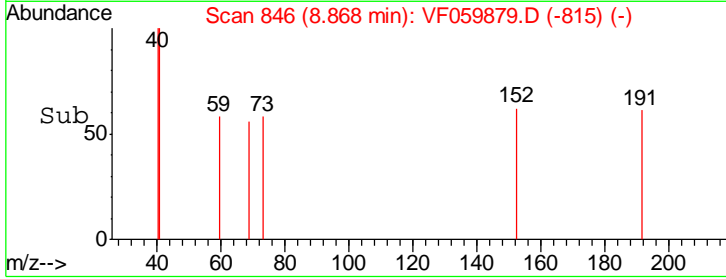
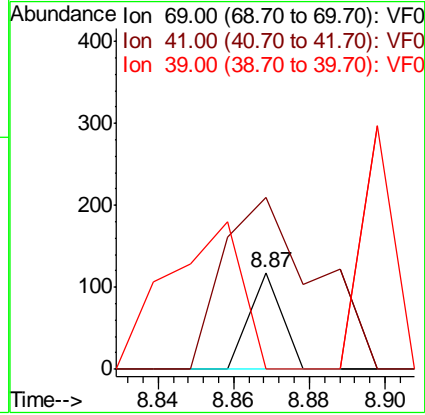
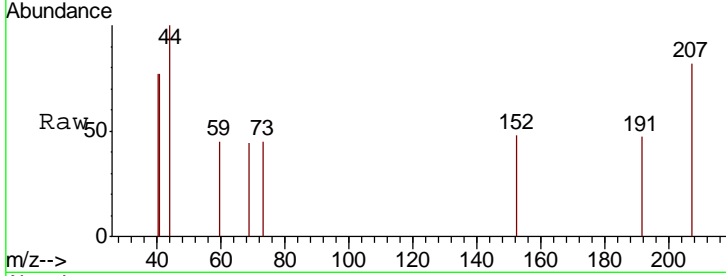




#56
 Ethyl methacrylate
 Concen: 3.420 ug/l
 RT: 8.87 min Scan# 846
 Delta R.T. 0.11 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

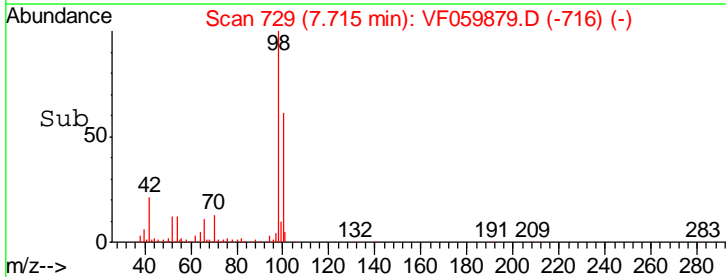
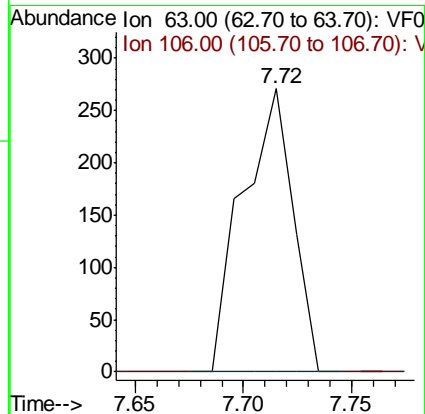
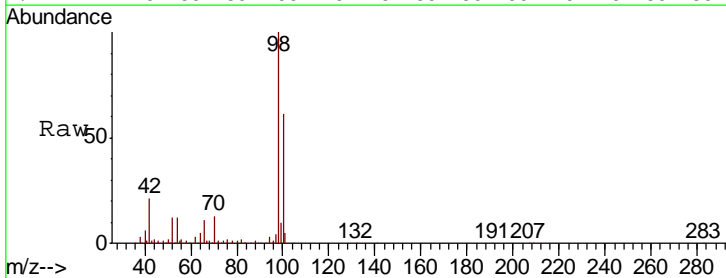
Instrument :
 MSVOA_F
 ClientSampled :

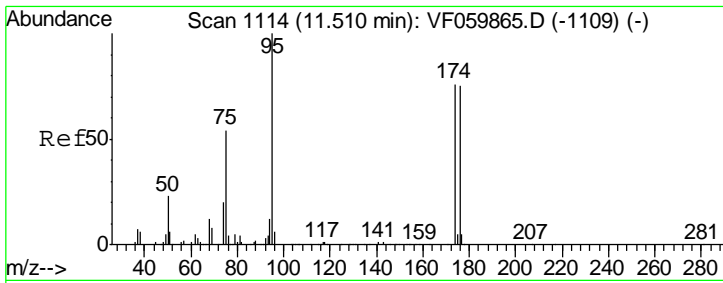
Tgt Ion	Resp	Lower	Upper
69	100		
41	178.0	74.7	112.1#
39	0.0	61.1	91.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.568 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.07 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
63	100		
106	0.0	0.0	0.0

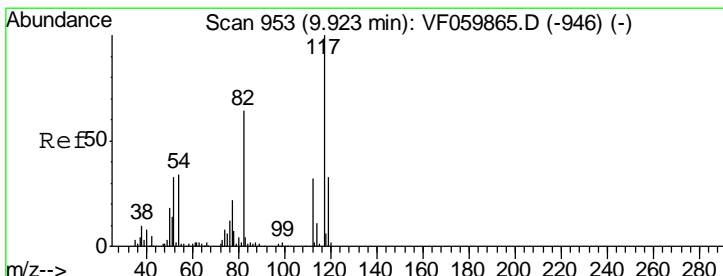
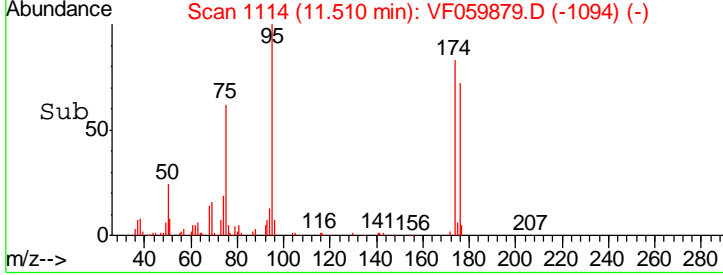
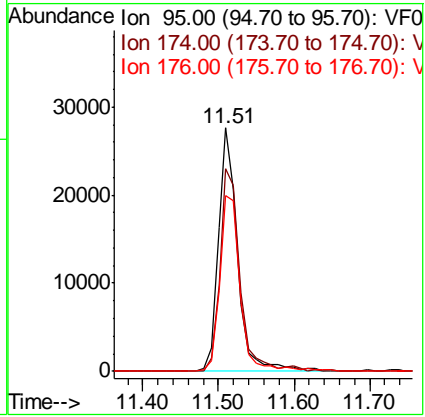
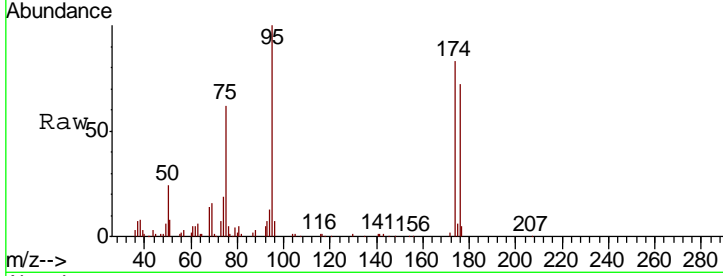




#62
 4-Bromofluorobenzene
 Concen: 23.087 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

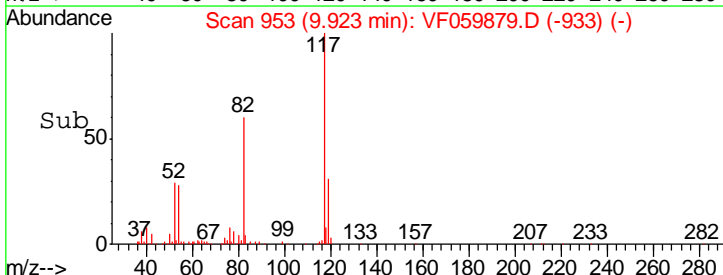
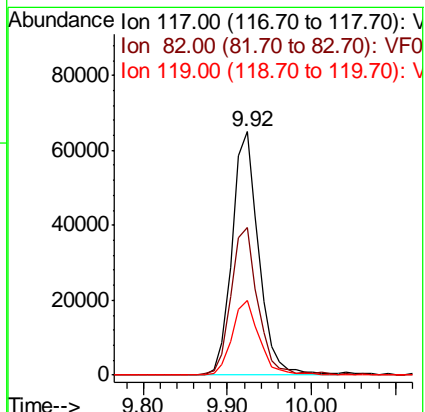
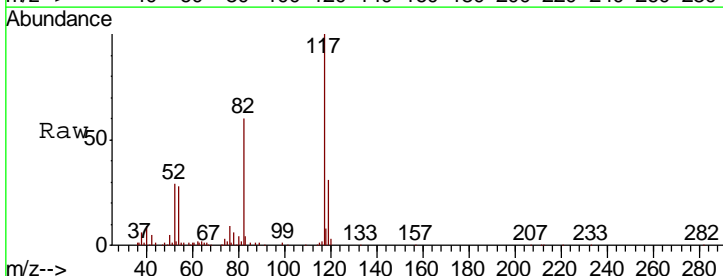
Instrument :
 MSVOA_F
 ClientSampled :

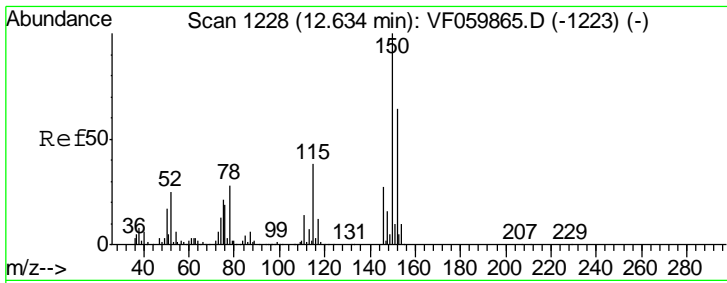
Tgt Ion	Resp	Lower	Upper
95	49118		
174	83.2	0.0	151.6
176	72.4	0.0	149.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.92 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
117	143027		
82	60.4	51.3	76.9
119	30.8	26.4	39.6

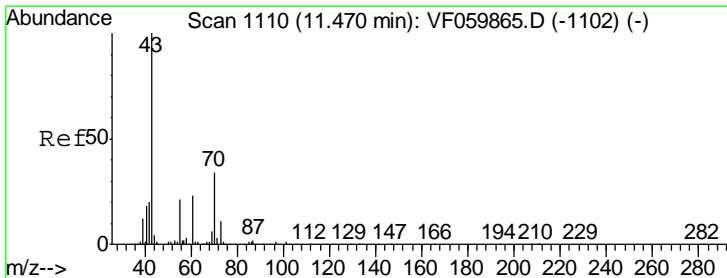
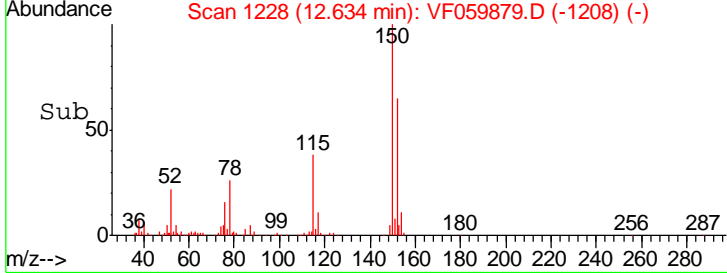
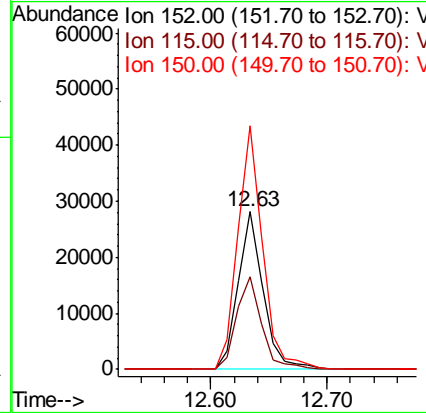
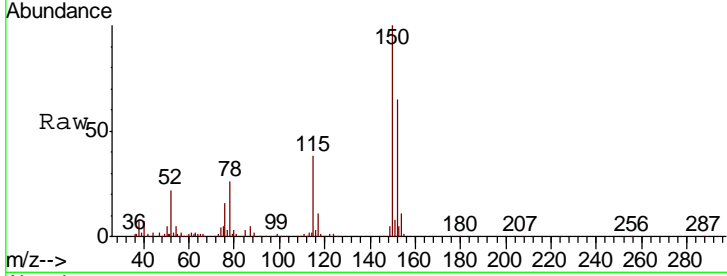




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

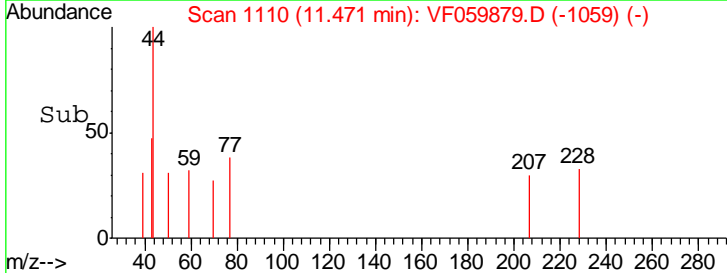
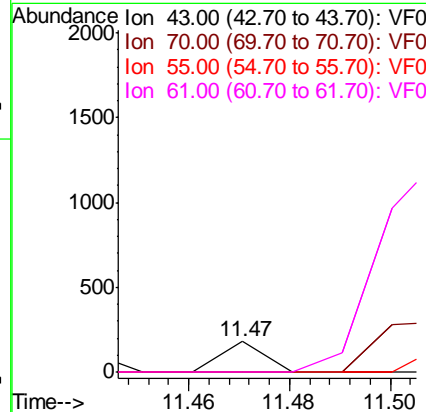
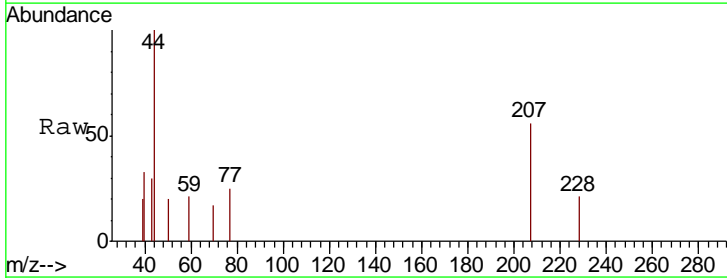
Instrument : MSVOA_F
 ClientSampled :

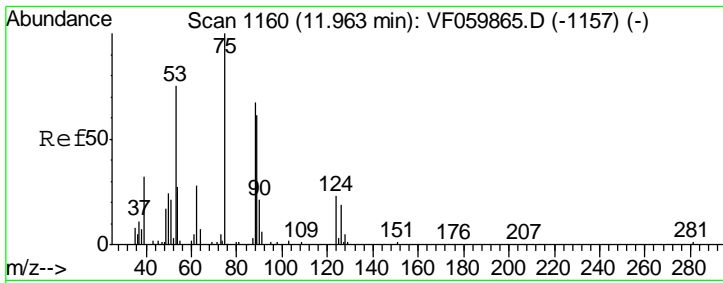
Tgt Ion	Resp	Lower	Upper
152	100		
115	59.2	29.8	89.4
150	154.8	0.0	315.6



#74
 N-amyl acetate
 Concen: 3.112 ug/l
 RT: 11.47 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Tgt Ion	Resp	Lower	Upper
43	100		
70	0.0	27.5	41.3#
55	0.0	16.6	25.0#
61	0.0	18.2	27.4#

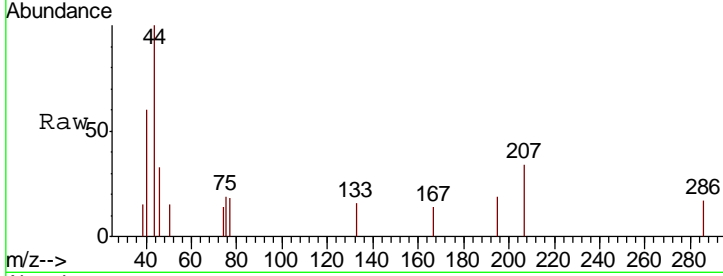




#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.439 ug/l
 RT: 11.96 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VF059879.D
 Acq: 4 Aug 2018 12:05

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Resp	Lower	Upper
75	219		
53	100	65.9	98.9#
89	100	50.6	76.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 53.00 (52.70 to 53.70): VF0
 Ion 89.00 (88.70 to 89.70): VF0

