

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060244.D
 Acq On : 10 Sep 2018 19:32
 Operator : VA/AP
 Sample : J4803-20
 Misc : 5.67/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J7

Quant Time: Sep 11 07:19:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	185387	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	259967	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	274338	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	165805	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	114103	35.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	70.46%	
35) Dibromofluoromethane	4.30	113	95609	37.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.08%	
50) Toluene-d8	7.72	98	232673	36.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	73.22%	
62) 4-Bromofluorobenzene	11.51	95	126418	35.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	70.50%	

Target Compounds

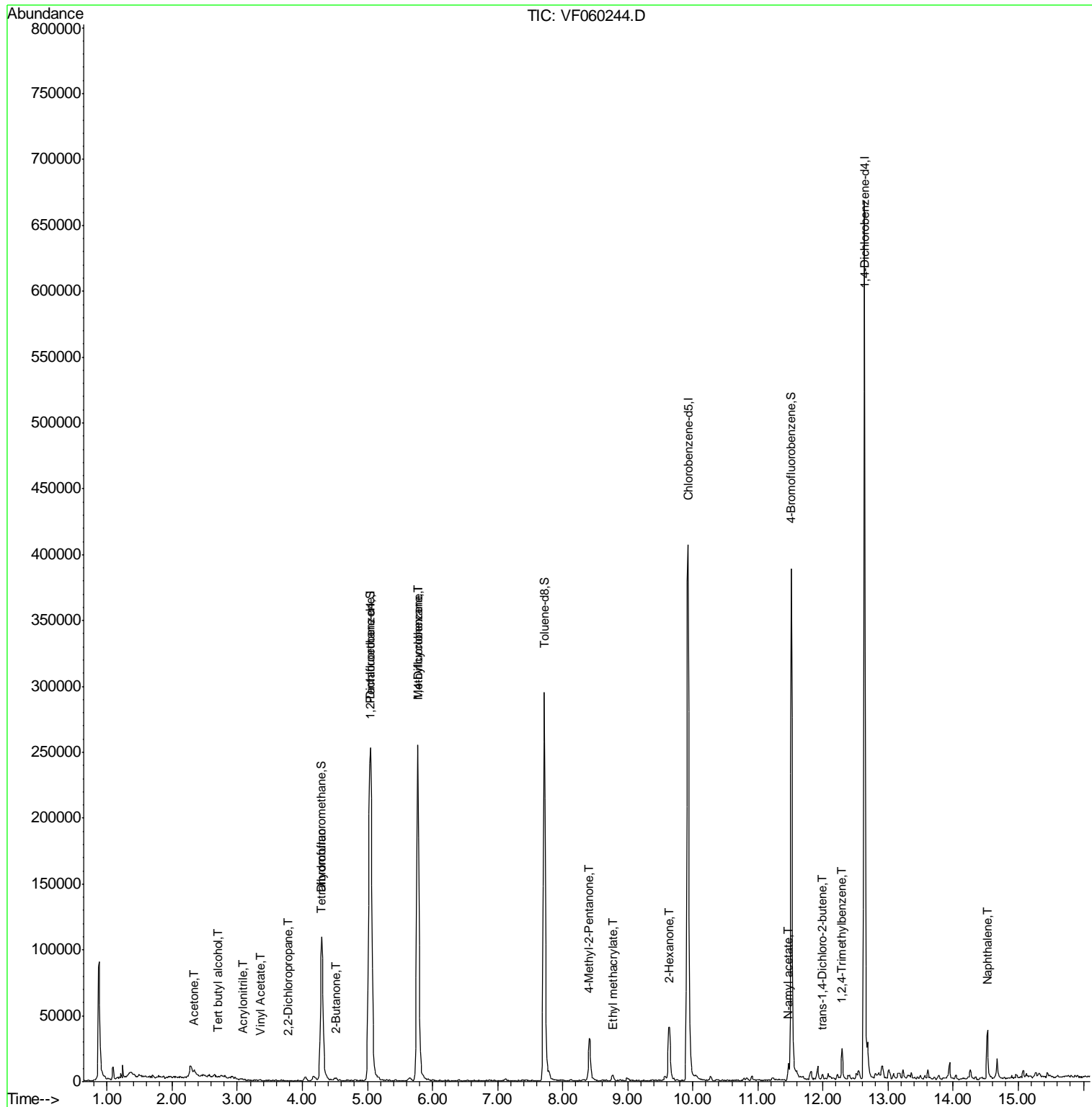
						Qvalue
11) Tert butyl alcohol	2.69	59	415	14.59	ug/l #	75
13) Acrolein	2.20	56	70	Below	Cal #	23
15) Acrylonitrile	3.07	53	419	1.70	ug/l #	70
16) Acetone	2.34	43	6577	19.06	ug/l	99
20) Methylene Chloride	2.28	84	3698	Below	Cal #	90
23) Vinyl Acetate	3.34	43	95	22.84	ug/l #	82
25) 2-Butanone	4.51	43	3790	4.16	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	63	2.05	ug/l #	64
29) Tetrahydrofuran	4.28	42	388	1.29	ug/l #	49
37) Ethyl Acetate	4.29	43	467	Below	Cal #	17
39) Methylcyclohexane	5.78	83	3303	1.29	ug/l #	41
51) 4-Methyl-2-Pentanone	8.41	43	29245	18.49	ug/l	91
56) Ethyl methacrylate	8.77	69	2566	1.45	ug/l #	78
59) 2-Hexanone	9.63	43	40000	32.80	ug/l	97
64) Tetrachloroethene	8.31	164	347	Below	Cal #	49
74) N-amyl acetate	11.46	43	7558	7.80	ug/l #	92
81) trans-1,4-Dichloro-2-buten	11.98	75	400	3.43	ug/l #	9
84) 1,2,4-Trimethylbenzene	12.29	105	11383	1.11	ug/l	99
95) Naphthalene	14.53	128	28052	6.85	ug/l	98

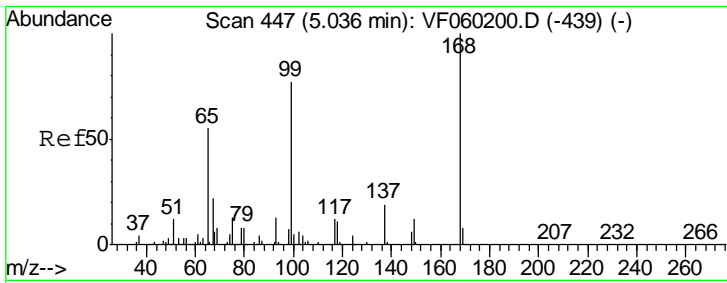
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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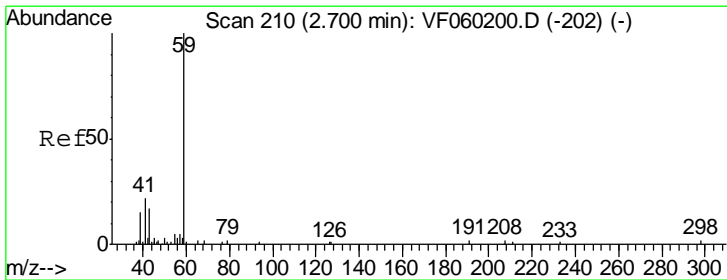
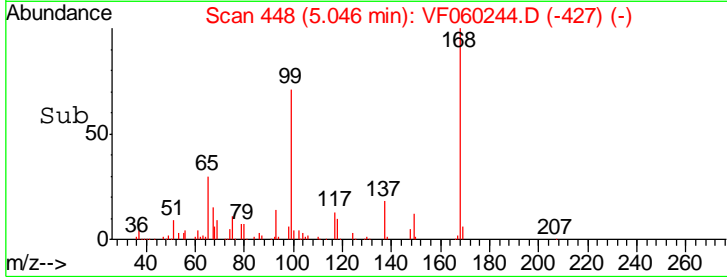
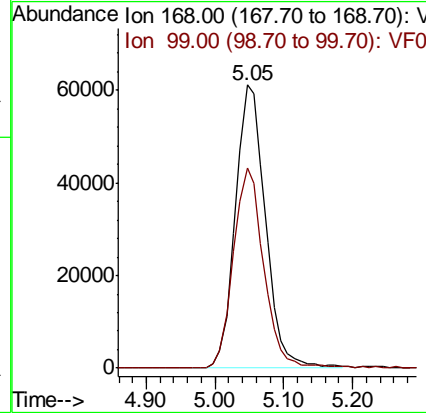
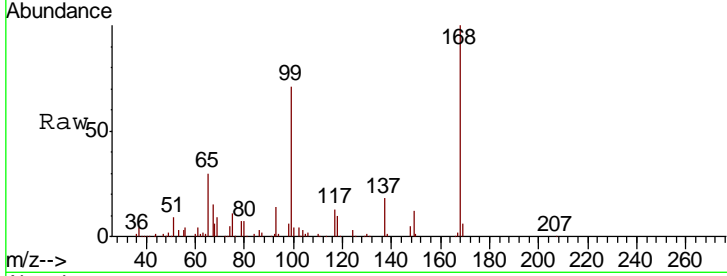




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.05 min Scan# 448
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

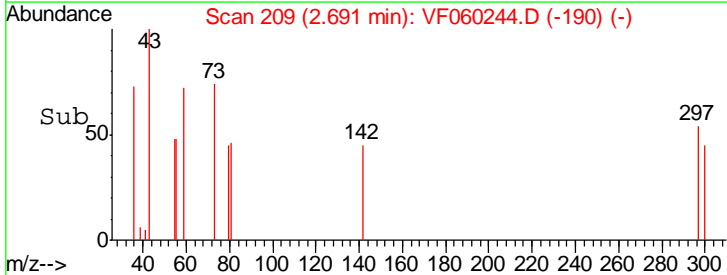
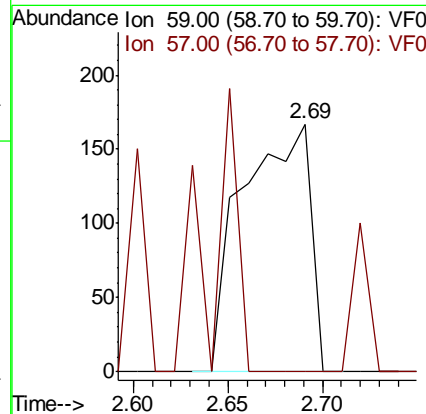
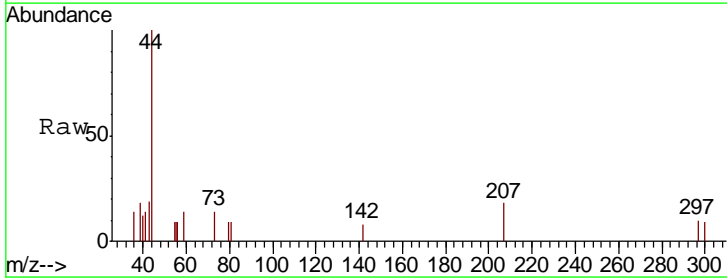
Instrument :
 MSVOA_F
ClientSampled :
 EP1-Q2-J7

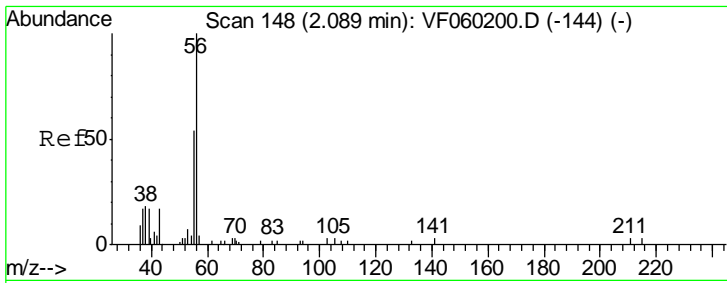
Tgt Ion	Resp	Lower	Upper
168	100		
99	70.5	61.8	92.6



#11
 Tert butyl alcohol
 Concen: 14.59 ug/l
 RT: 2.69 min Scan# 209
 Delta R.T. -0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	7.2	10.8#

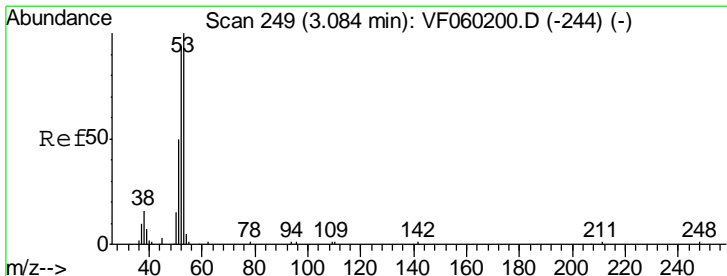
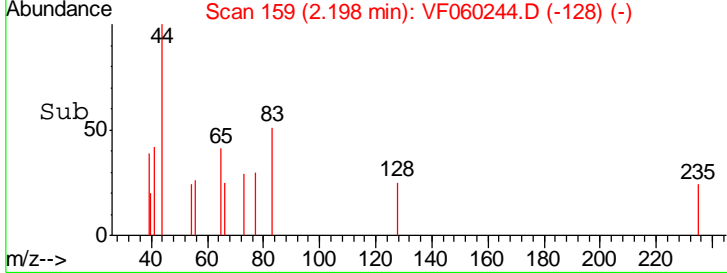
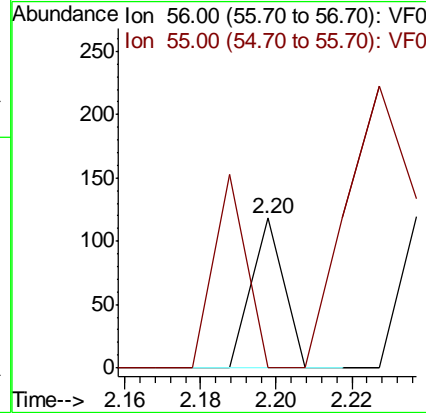
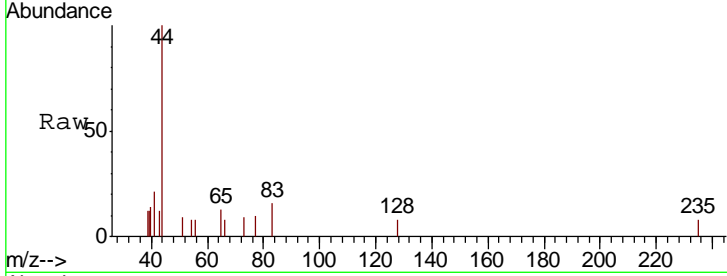




#13
 Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 159
 Delta R.T. 0.11 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

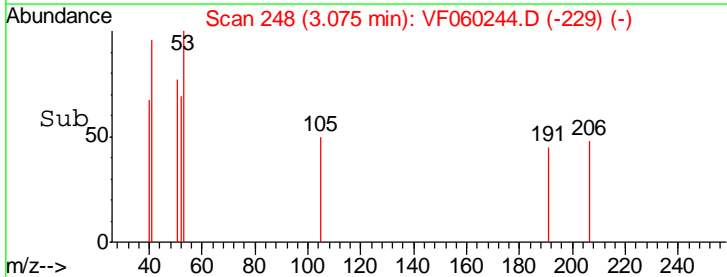
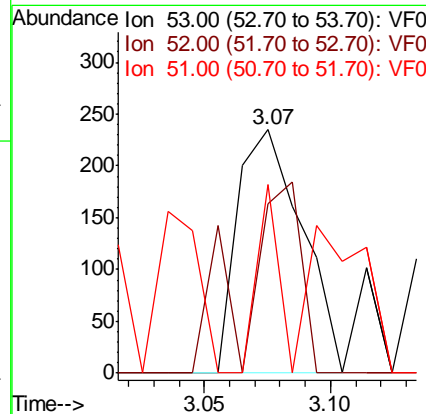
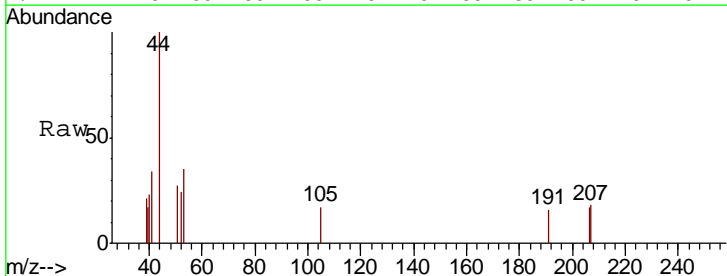
Instrument : MSVOA_F
 ClientSampled : EP1-Q2-J7

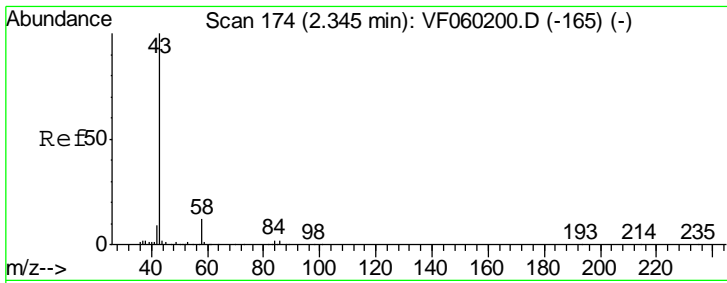
Tgt Ion: 56 Resp: 70
 Ion Ratio Lower Upper
 56 100
 55 0.0 45.1 67.7#



#15
 Acrylonitrile
 Concen: 1.70 ug/l
 RT: 3.07 min Scan# 248
 Delta R.T. -0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion: 53 Resp: 419
 Ion Ratio Lower Upper
 53 100
 52 69.4 75.0 112.6#
 51 77.4 39.9 59.9#

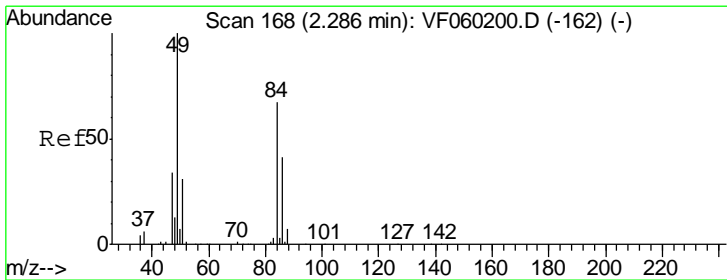
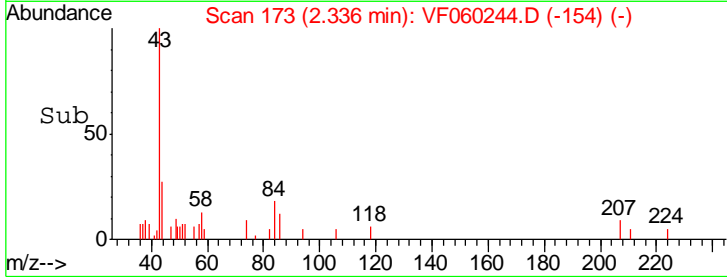
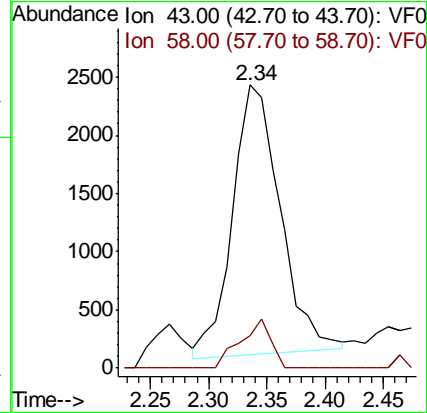
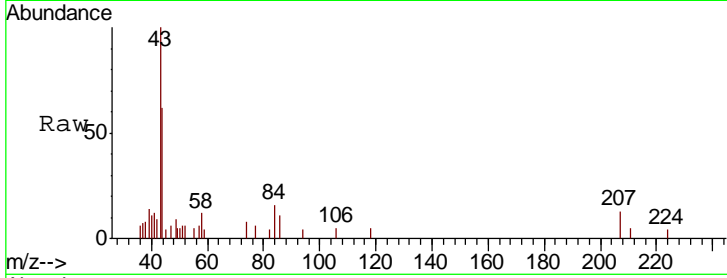




#16
 Acetone
 Concen: 19.06 ug/l
 RT: 2.34 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

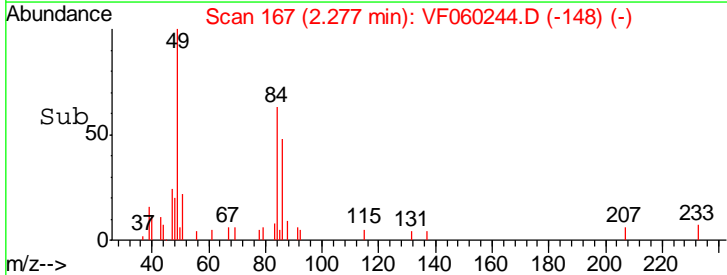
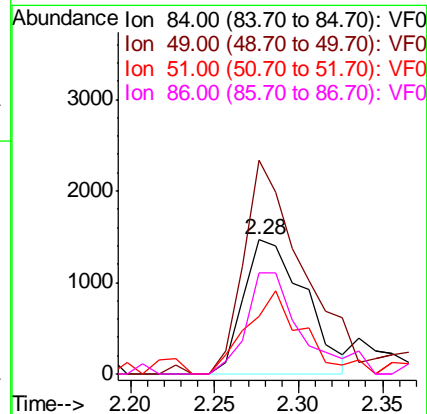
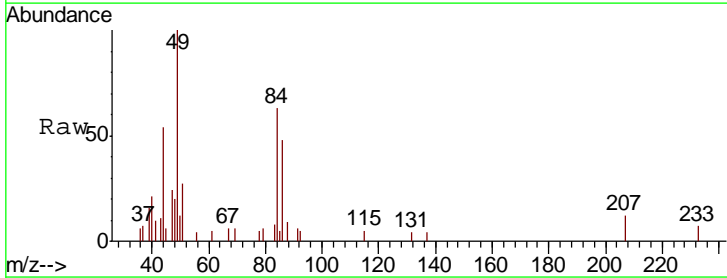
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J7

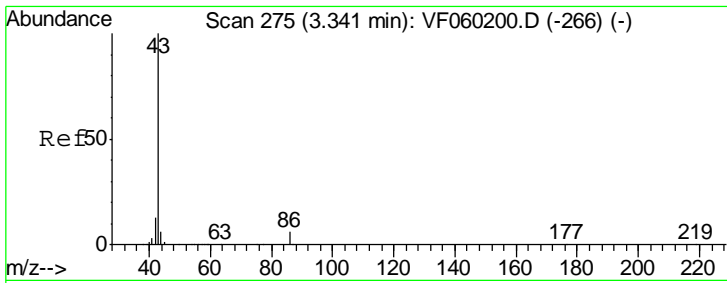
Tgt Ion: 43 Resp: 6577
 Ion Ratio Lower Upper
 43 100
 58 11.6 9.7 14.5



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion: 84 Resp: 3698
 Ion Ratio Lower Upper
 84 100
 49 159.4 120.1 180.1
 51 42.7 37.0 55.6
 86 75.8 49.0 73.6#

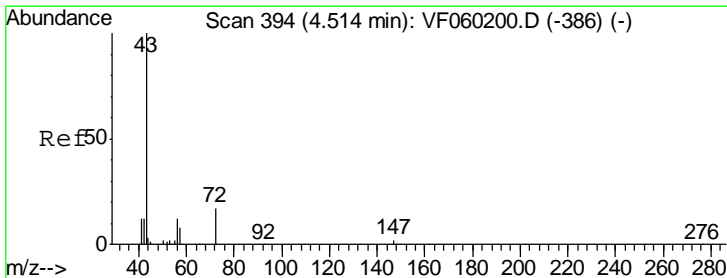
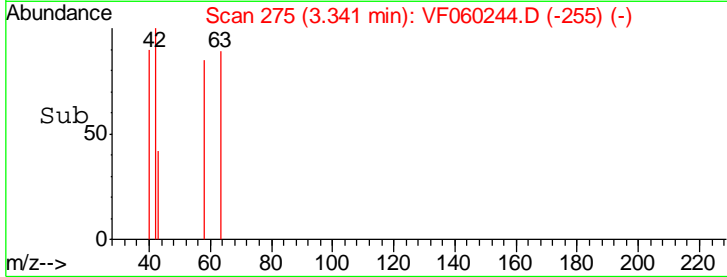
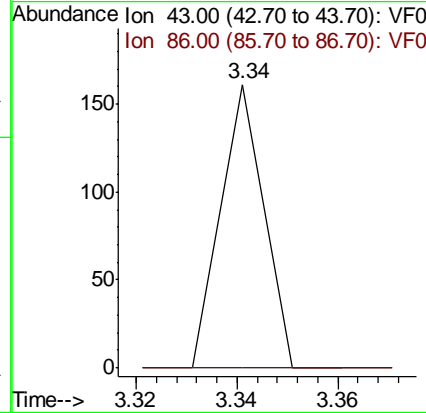
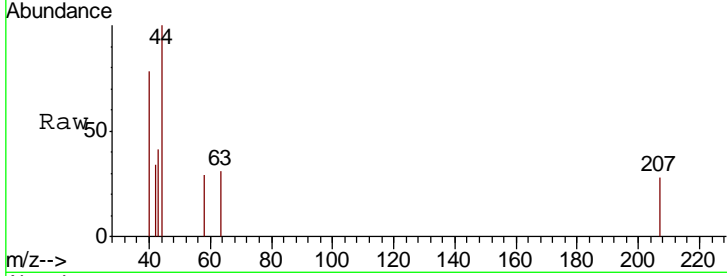




#23
 Vinyl Acetate
 Concen: 22.84 ug/l
 RT: 3.34 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

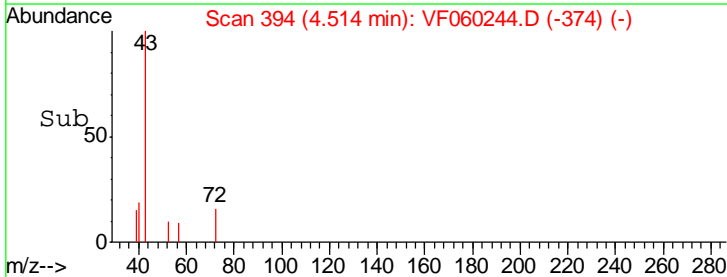
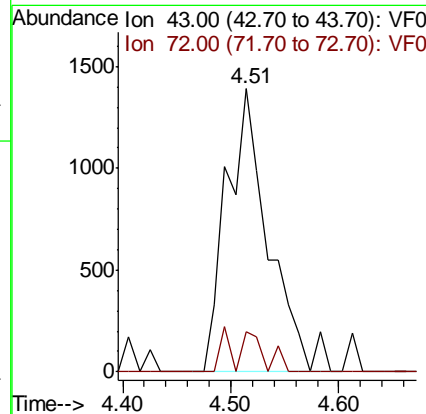
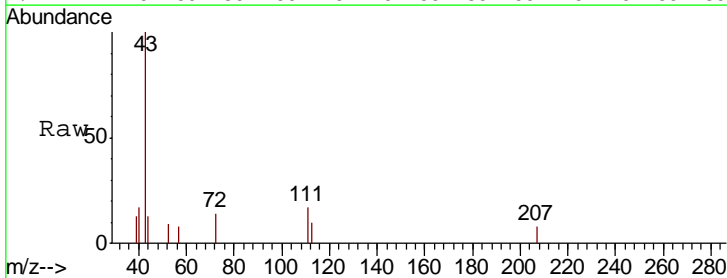
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

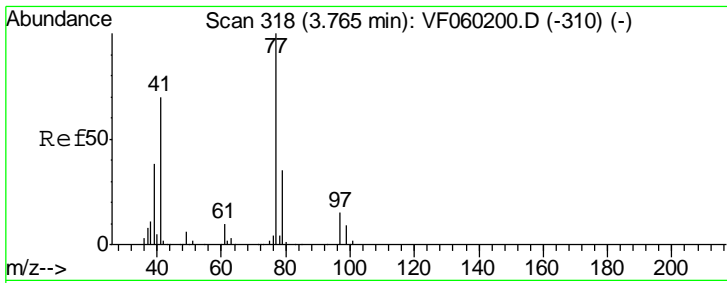
Tgt Ion	Resp	Lower	Upper
43	100		
86	0.0	4.8	7.2#



#25
 2-Butanone
 Concen: 4.16 ug/l
 RT: 4.51 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
43	100		
72	14.0	14.8	22.2#

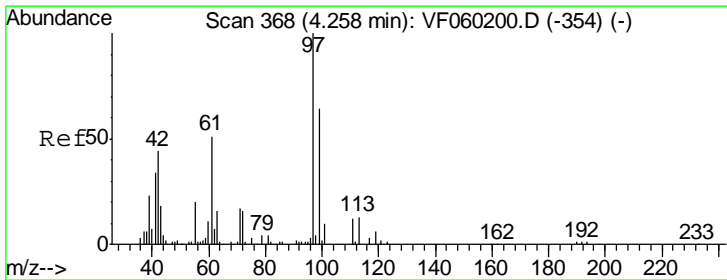
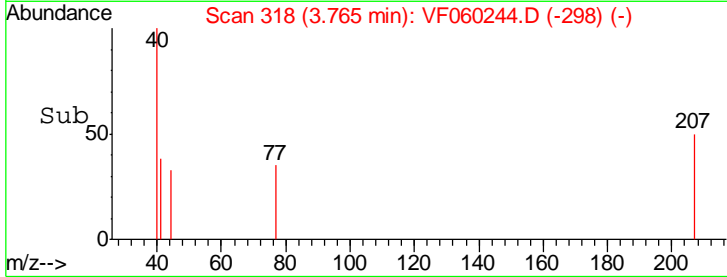
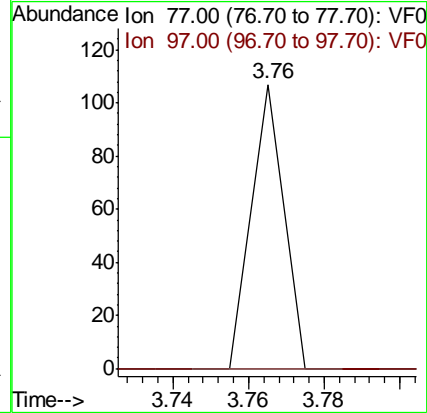
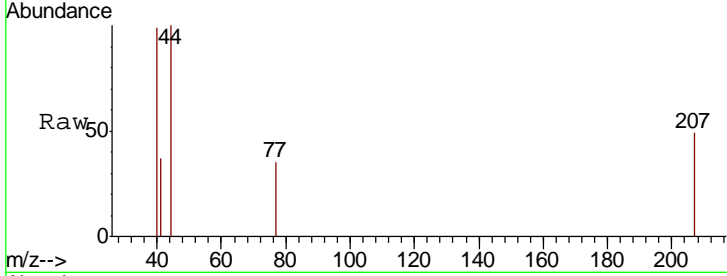




#26
 2,2-Dichloropropane
 Concen: 2.05 ug/l
 RT: 3.76 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

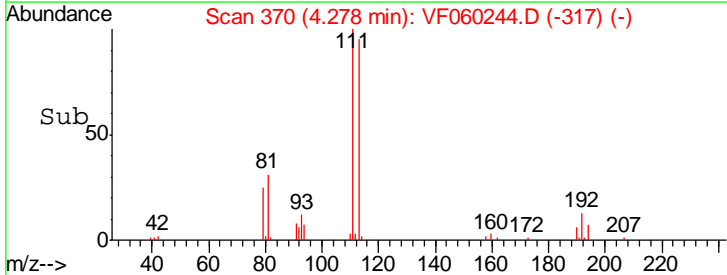
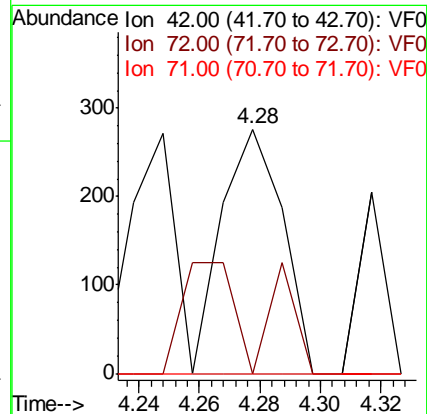
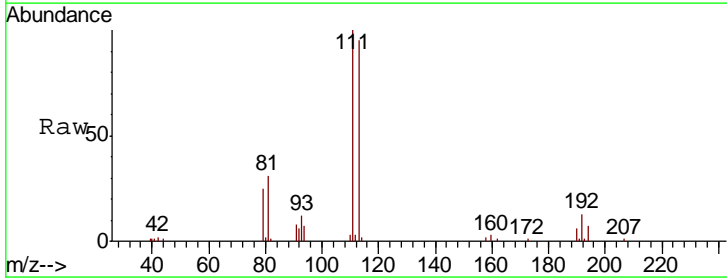
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

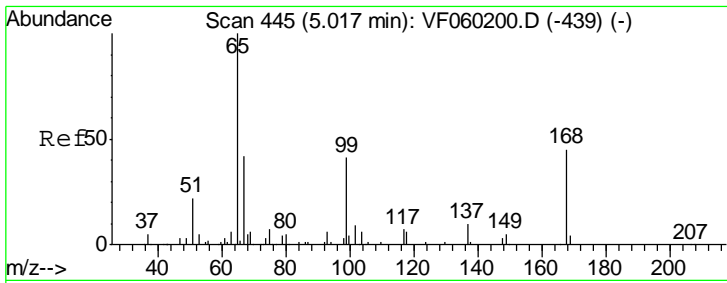
Tgt Ion	Resp	Lower	Upper
77	100		
97	0.0	7.5	22.5#



#29
 Tetrahydrofuran
 Concen: 1.29 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
42	100		
72	57.2	27.4	41.0#
71	0.0	28.5	42.7#

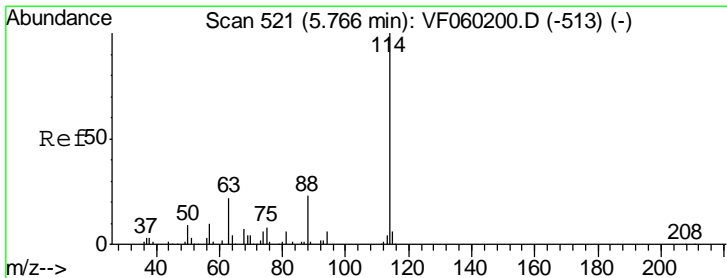
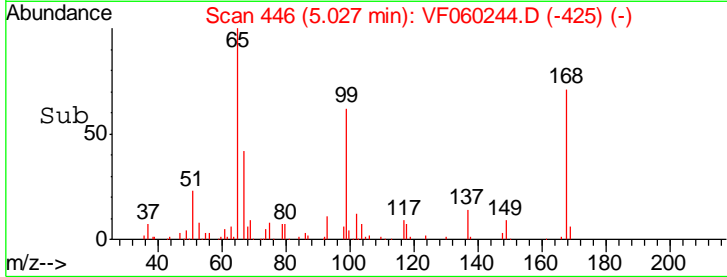
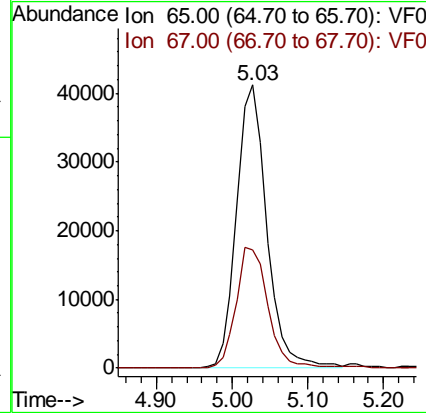
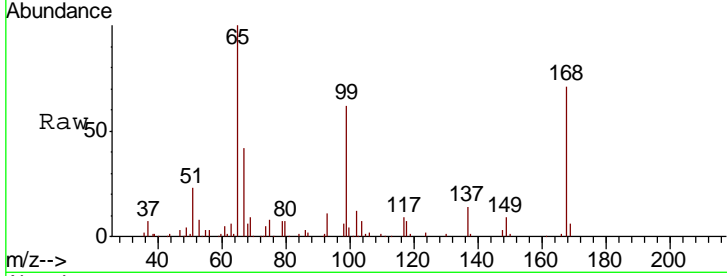




#33
 1,2-Dichloroethane-d4
 Concen: 35.23 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

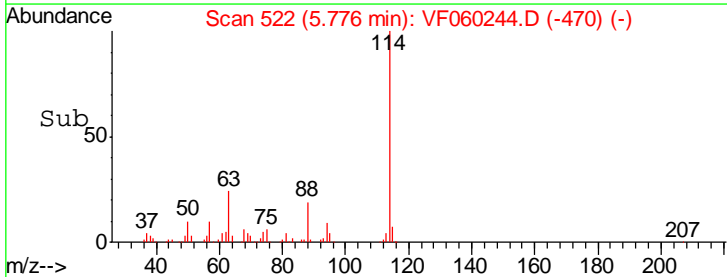
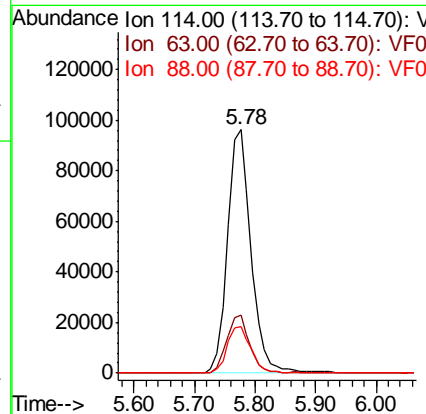
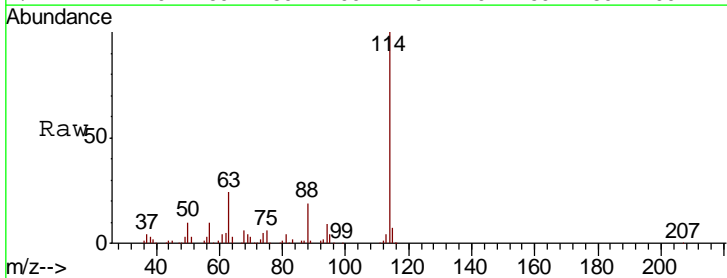
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

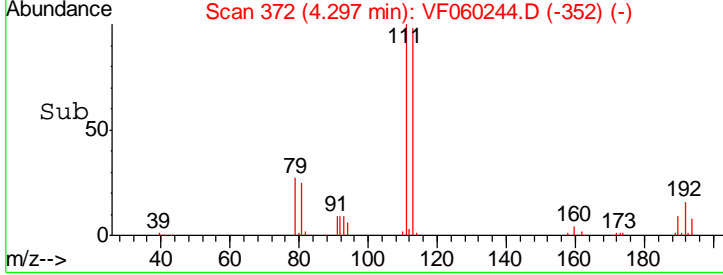
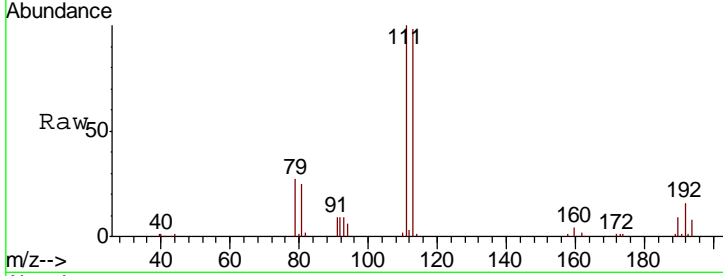
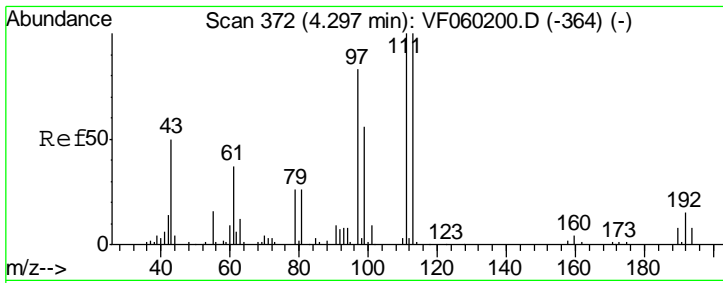
Tgt Ion: 65 Resp: 114103
 Ion Ratio Lower Upper
 65 100
 67 41.7 0.0 87.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion: 114 Resp: 259967
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.6
 88 19.1 0.0 46.4

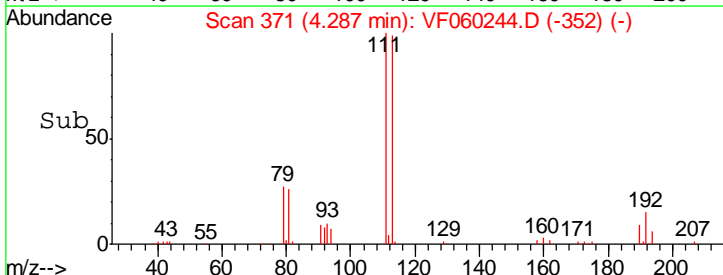
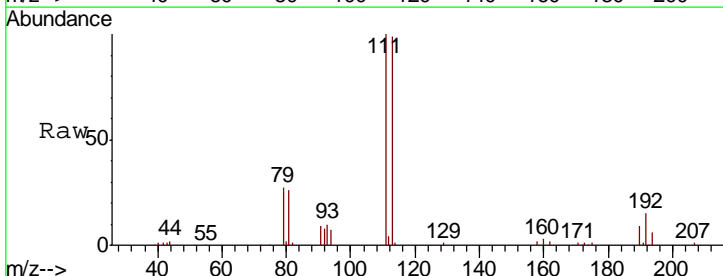
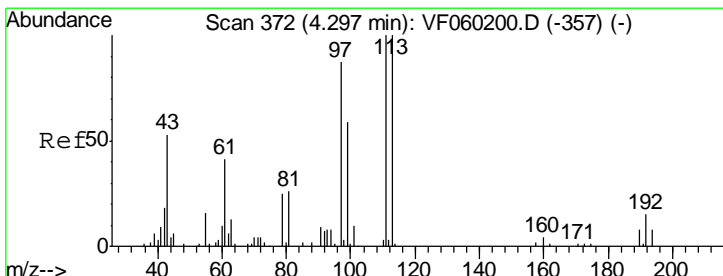
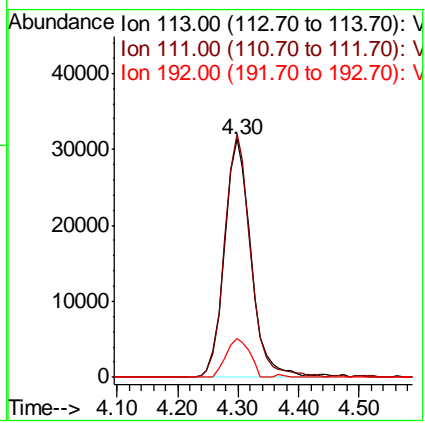




#35
 Dibromofluoromethane
 Concen: 37.54 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

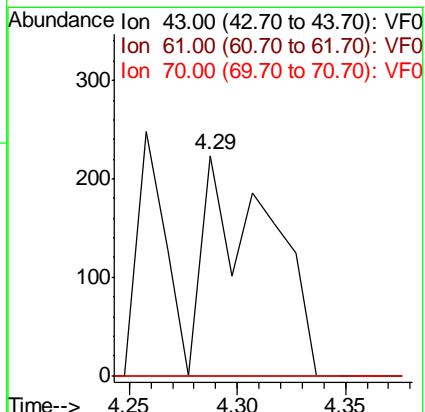
Instrument : MSVOA_F
 ClientSampled : EP1-Q2-J7

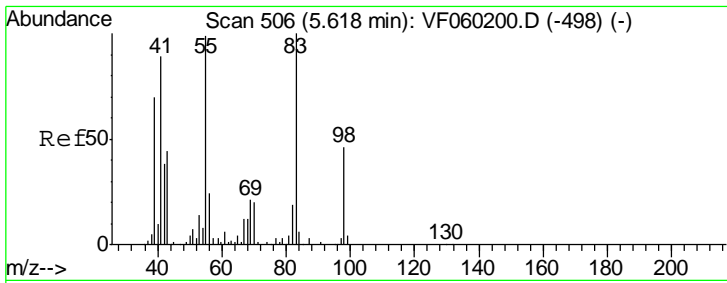
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	80.2	120.2
192	16.3	11.8	17.8



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	61.6	92.4#
70	0.0	6.9	10.3#

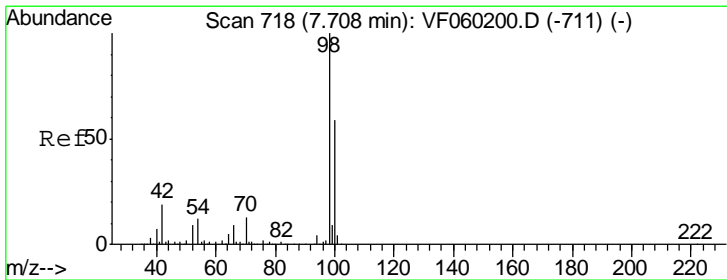
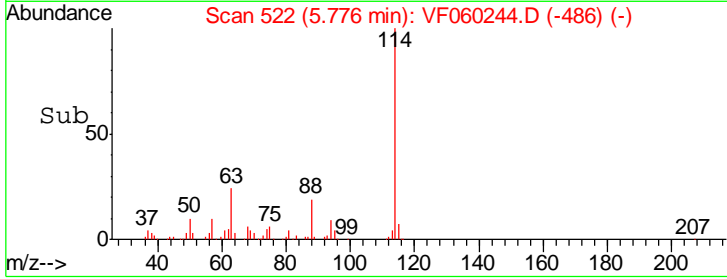
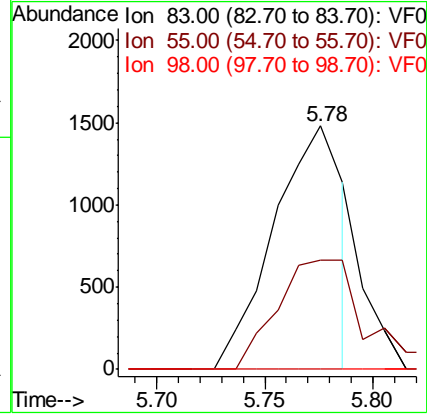
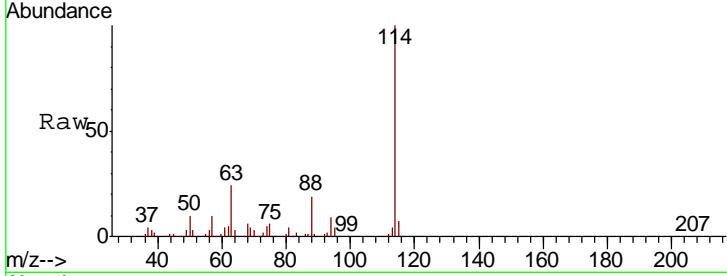




#39
 Methylcyclohexane
 Concen: 1.29 ug/l
 RT: 5.78 min Scan# 522
 Delta R.T. 0.16 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

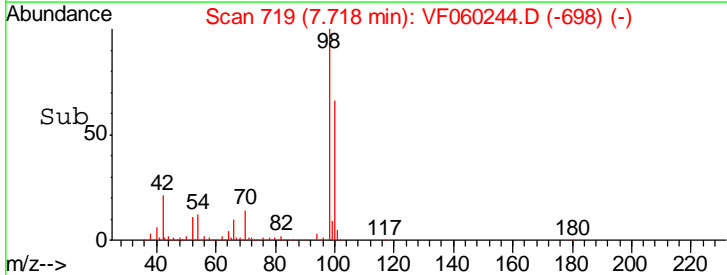
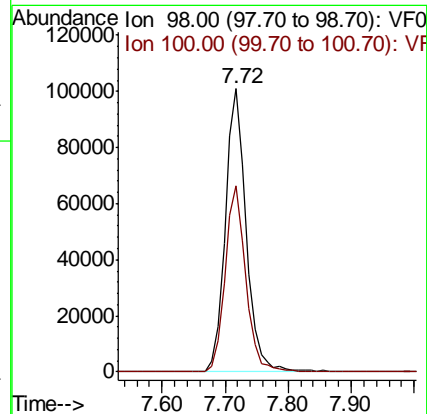
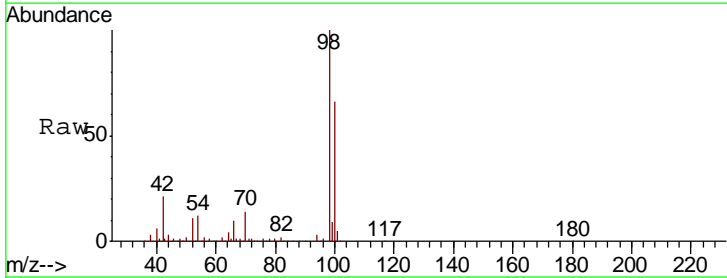
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

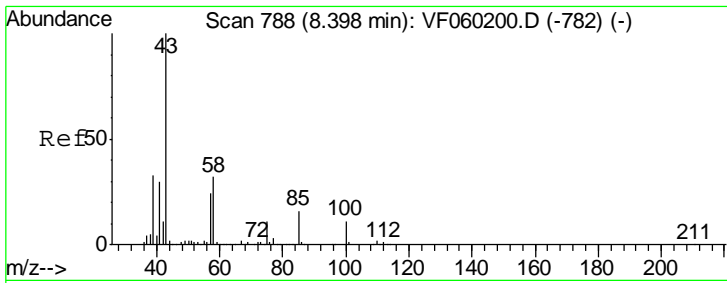
Tgt Ion	Resp	Lower	Upper
83	100		
55	44.9	79.0	118.4#
98	0.0	36.7	55.1#



#50
 Toluene-d8
 Concen: 36.61 ug/l
 RT: 7.72 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.9	47.4	71.0

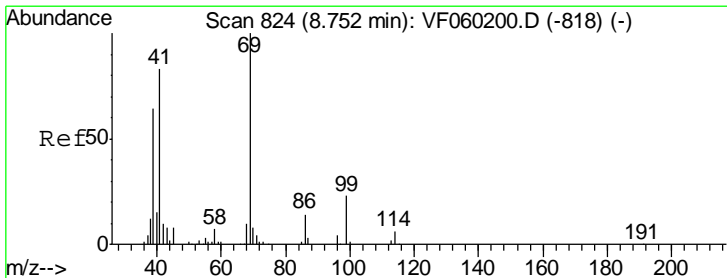
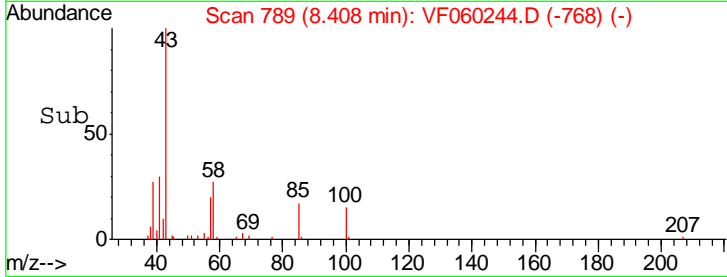
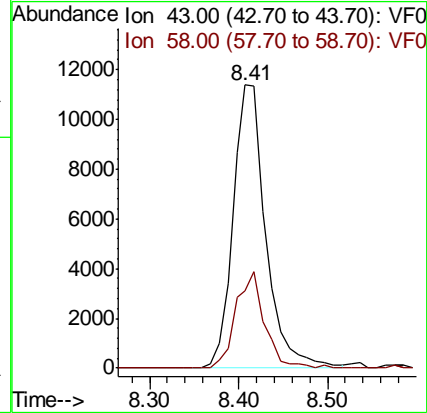
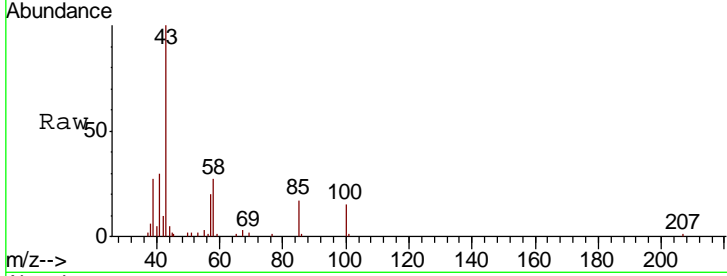




#51
 4-Methyl-2-Pentanone
 Concen: 18.49 ug/l
 RT: 8.41 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

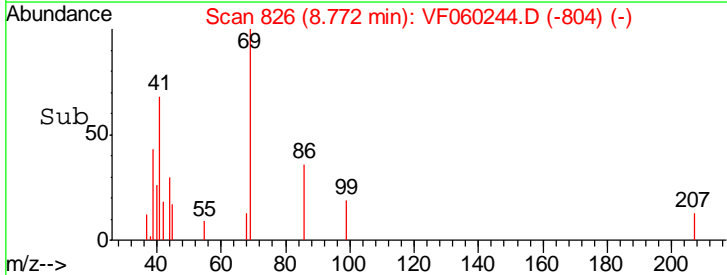
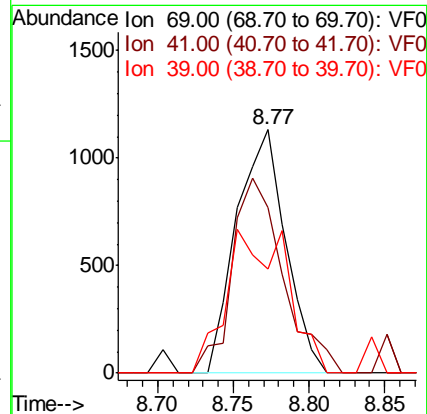
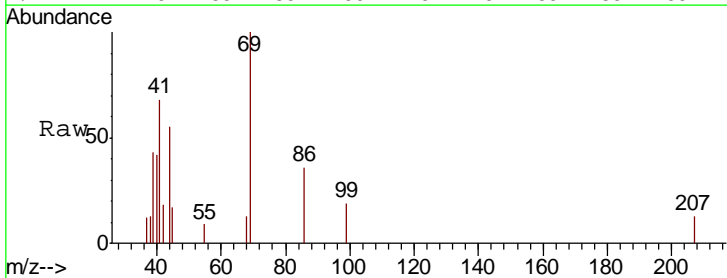
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

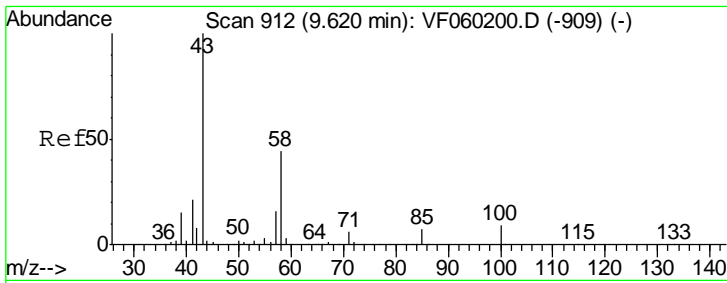
Tgt Ion: 43 Resp: 29245
 Ion Ratio Lower Upper
 43 100
 58 27.2 25.8 38.6



#56
 Ethyl methacrylate
 Concen: 1.45 ug/l
 RT: 8.77 min Scan# 826
 Delta R.T. 0.02 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion: 69 Resp: 2566
 Ion Ratio Lower Upper
 69 100
 41 67.8 66.6 100.0
 39 42.8 51.5 77.3#

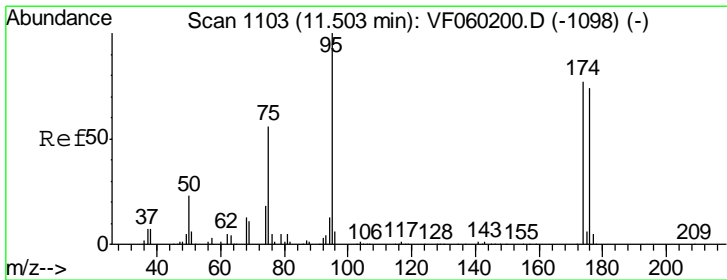
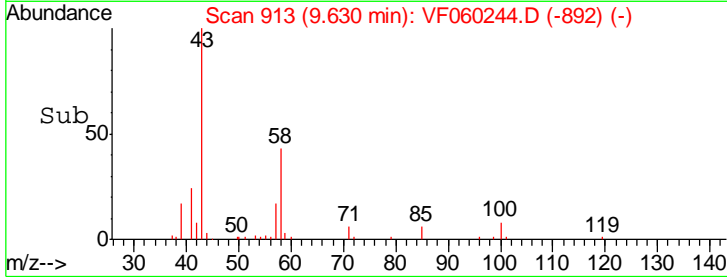
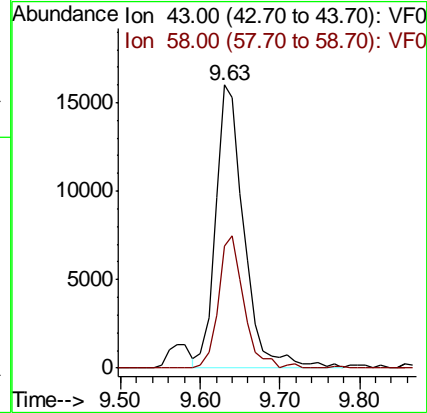
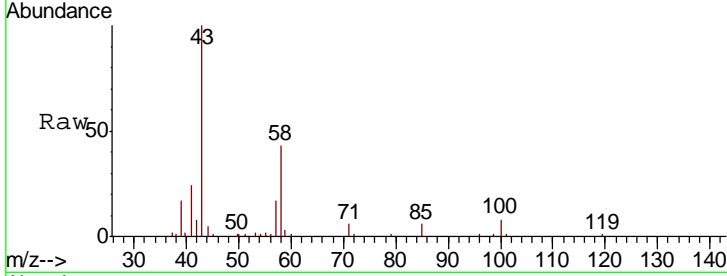




#59
 2-Hexanone
 Concen: 32.80 ug/l
 RT: 9.63 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

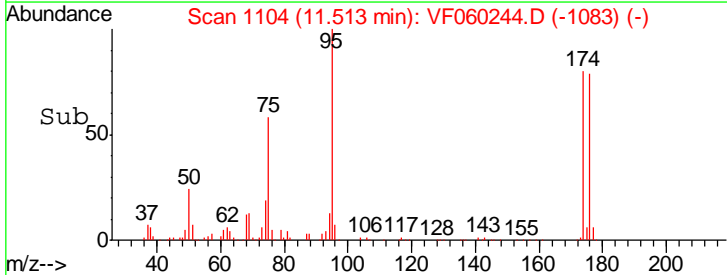
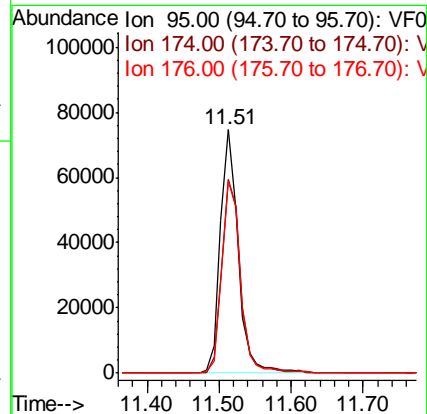
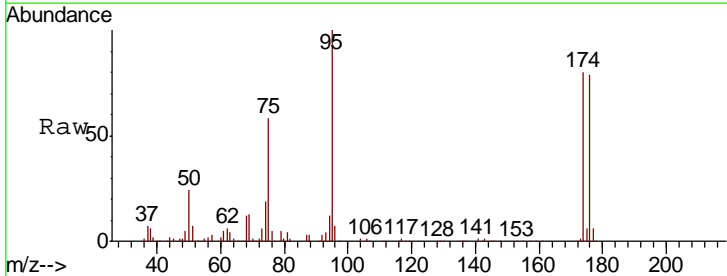
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

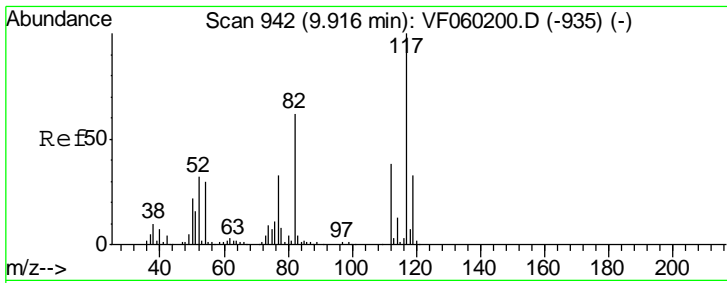
Tgt Ion	Resp	Lower	Upper
43	40000		
58	43.3	20.8	62.5



#62
 4-Bromofluorobenzene
 Concen: 35.25 ug/l
 RT: 11.51 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
95	126418		
174	79.6	0.0	153.2
176	79.2	0.0	147.2

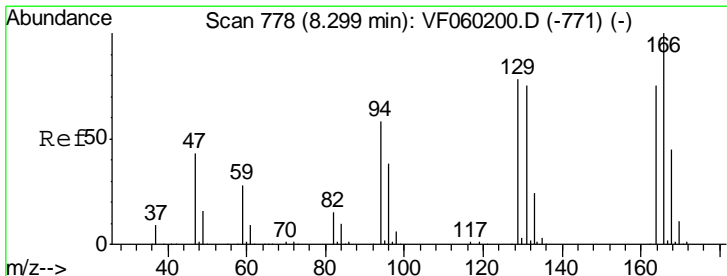
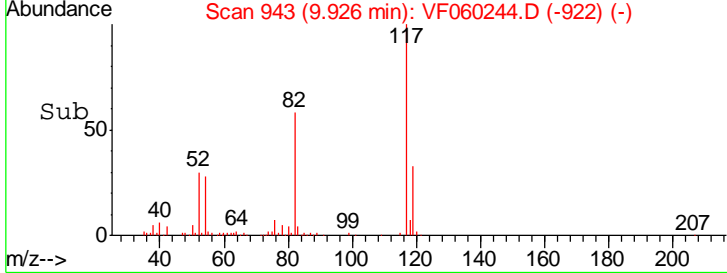
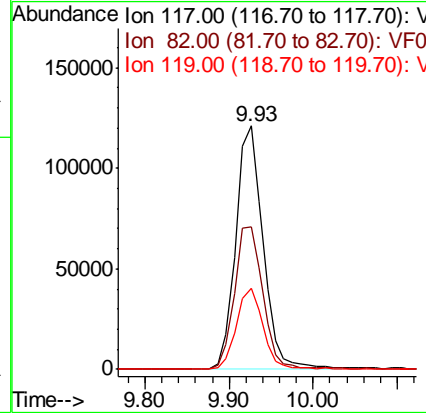
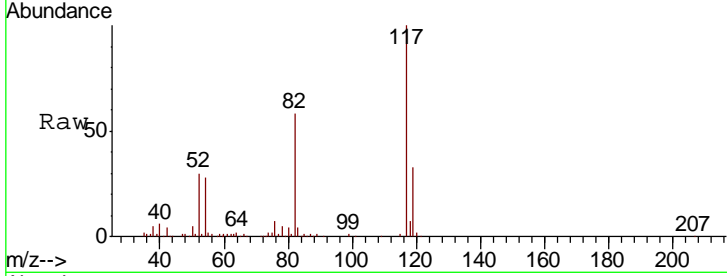




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.93 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

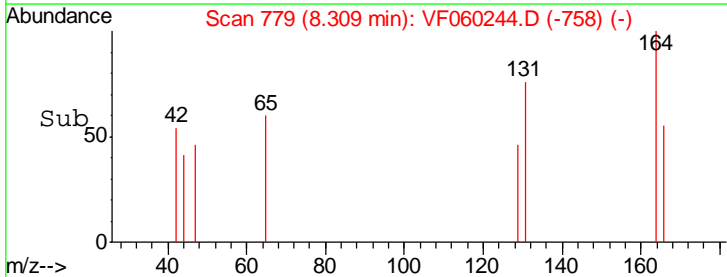
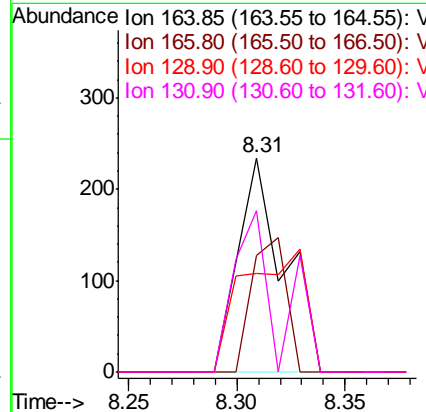
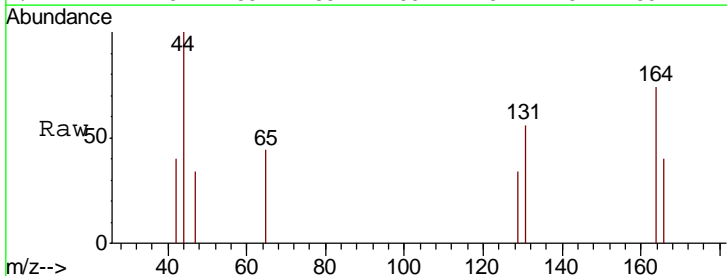
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

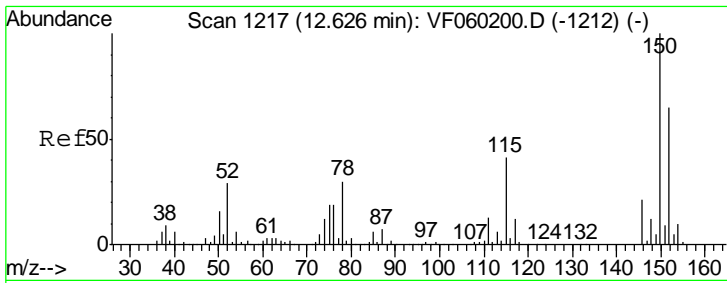
Tgt Ion	Resp	Lower	Upper
117	100		
82	58.5	49.3	73.9
119	33.1	26.5	39.7



#64
 Tetrachloroethene
 Concen: Below Cal
 RT: 8.31 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
164	100		
166	54.7	107.0	160.4#
129	46.2	83.0	124.6#
131	75.6	79.8	119.8#

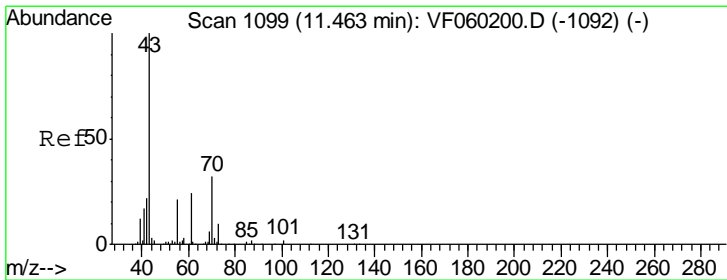
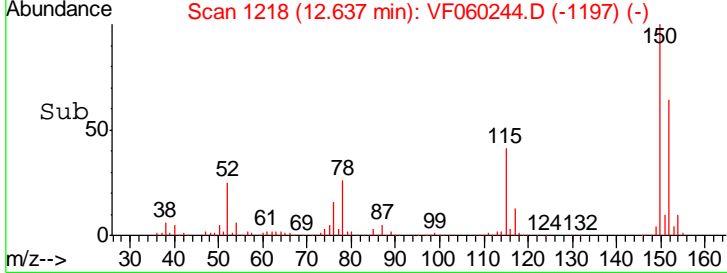
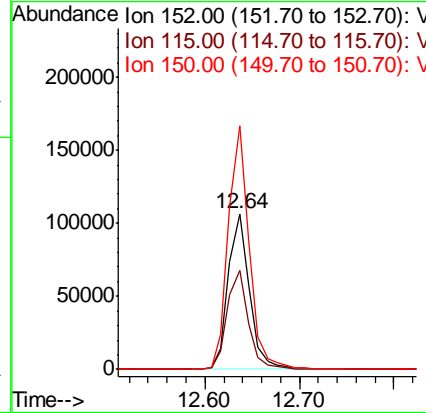
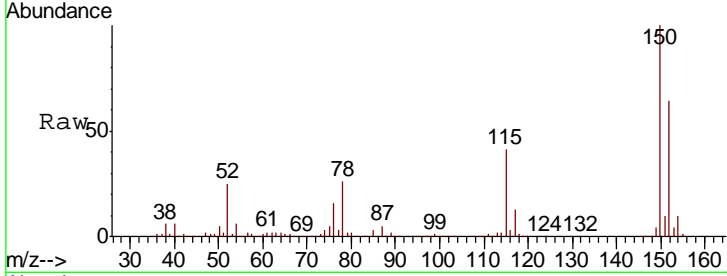




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

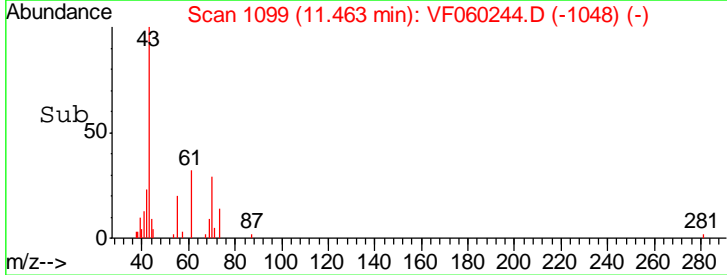
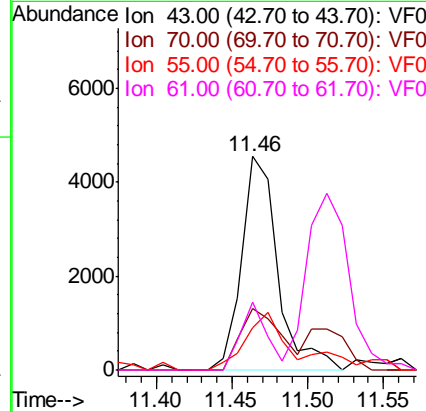
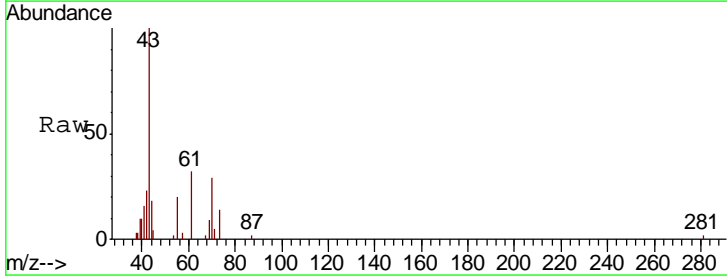
Instrument : MSVOA_F
 ClientSampled : EP1-Q2-J7

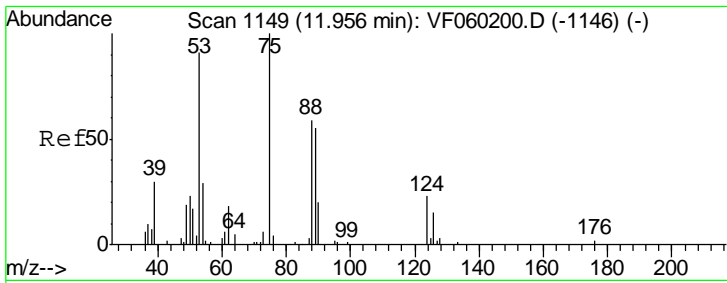
Tgt Ion	Resp	Lower	Upper
152	165805		
152	100		
115	63.4	31.5	94.5
150	156.3	0.0	310.4



#74
 N-amyl acetate
 Concen: 7.80 ug/l
 RT: 11.46 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
43	7558		
43	100		
70	28.7	25.8	38.6
55	19.5	16.8	25.2
61	31.6	18.9	28.3#

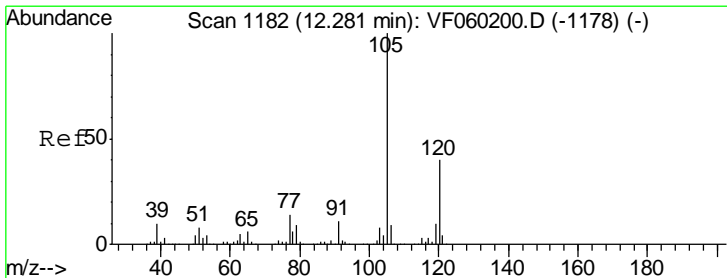
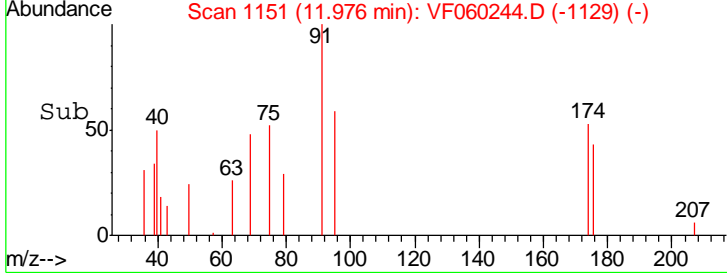
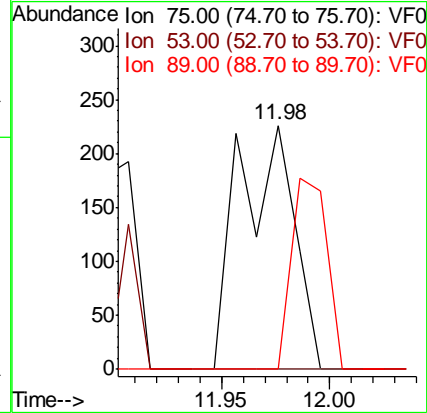
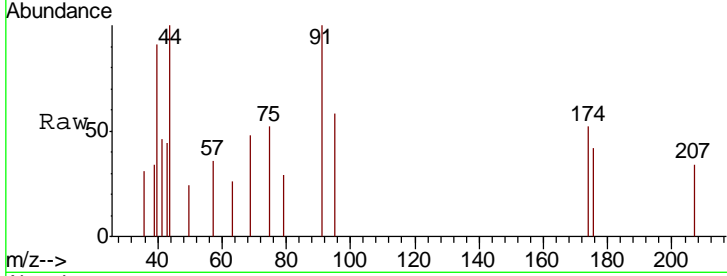




#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.43 ug/l
 RT: 11.98 min Scan# 1151
 Delta R.T. 0.02 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

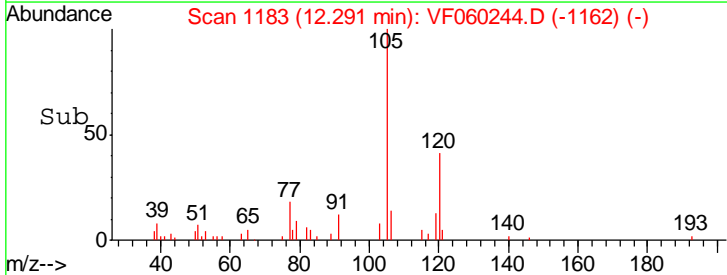
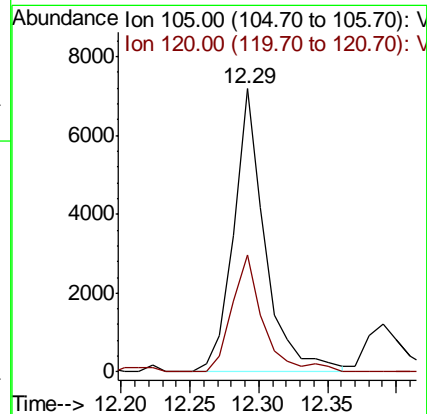
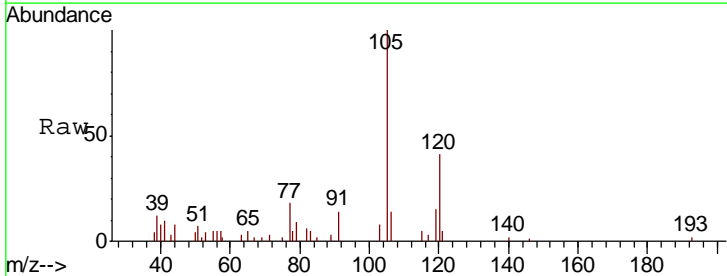
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-J7

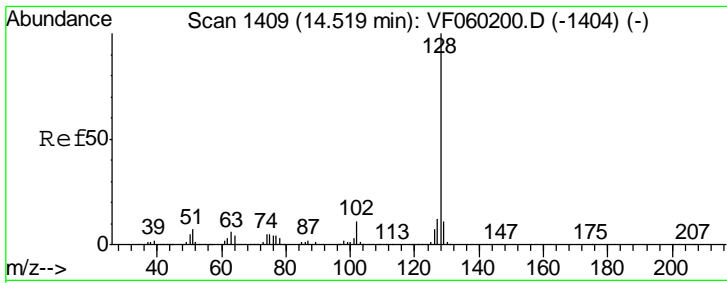
Tgt Ion	Resp	Lower	Upper
75	400		
75	100		
53	0.0	76.5	114.7#
89	0.0	46.5	69.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.11 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Tgt Ion	Resp	Lower	Upper
105	11383		
105	100		
120	41.2	20.2	60.5





#95
 Naphthalene
 Concen: 6.85 ug/l
 RT: 14.53 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: VF060244.D
 Acq: 10 Sep 2018 19:32

Instrument : MSVOA_F
 ClientSampled : EP1-Q2-J7

Tot Ion:128 Resp: 28052

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	10.4	8.9	13.3

