

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\  
 Data File : VF060426.D  
 Acq On : 3 Oct 2018 20:35  
 Operator : VA/AP  
 Sample : J5192-03  
 Misc : 5.98/5mL/MSVOA F/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 AU-05-100218-B

Quant Time: Oct 04 05:23:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 11:42:56 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	259553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	436142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	342342	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	147335	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	147113	36.22	ug/l	0.00
Spiked Amount				50.000		
Recovery						72.44%
35) Dibromofluoromethane	4.26	113	150540	36.74	ug/l	0.00
Spiked Amount				50.000		
Recovery						73.48%
50) Toluene-d8	7.68	98	287464	28.49	ug/l	0.00
Spiked Amount				50.000		
Recovery						56.98%
62) 4-Bromofluorobenzene	11.50	95	124460	27.01	ug/l	0.01
Spiked Amount				50.000		
Recovery						54.02%

## Target Compounds

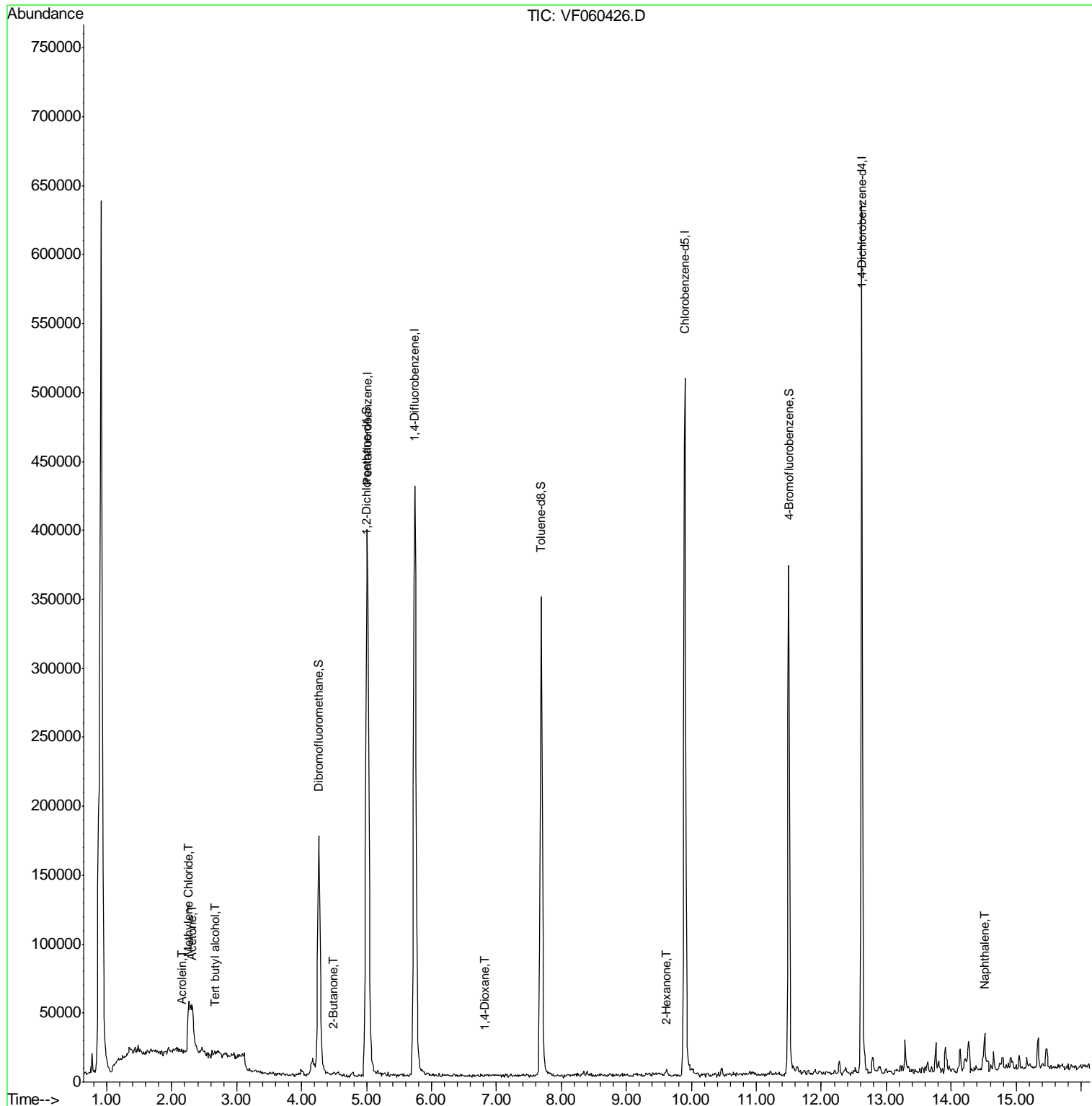
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	416	Below Cal	#	43
11) Tert butyl alcohol	2.67	59	423	1.722	ug/l #	77
13) Acrolein	2.14	56	672	3.401	ug/l	86
16) Acetone	2.32	43	27634	10.308	ug/l #	88
20) Methylene Chloride	2.27	84	33630	6.500	ug/l	88
25) 2-Butanone	4.48	43	3215	3.057	ug/l #	90
29) Tetrahydrofuran	4.25	42	414	Below Cal	#	72
49) 1,4-Dioxane	6.81	88	61	3.961	ug/l #	27
59) 2-Hexanone	9.62	43	3960	3.048	ug/l	93
95) Naphthalene	14.51	128	14262	2.283	ug/l #	92

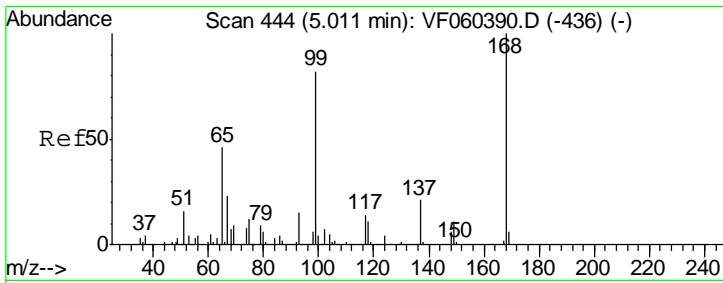
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 AU-05-100218-B

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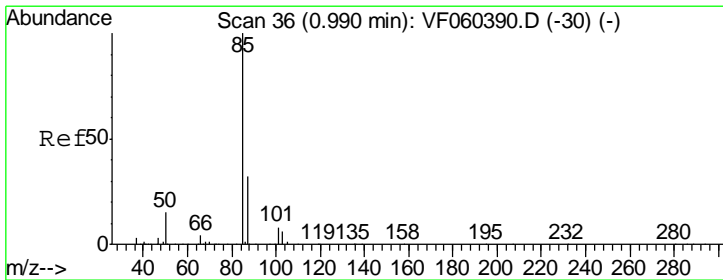
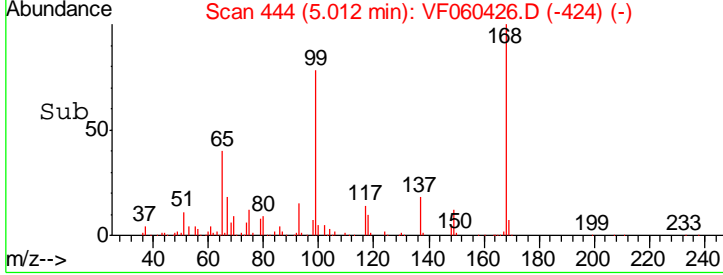
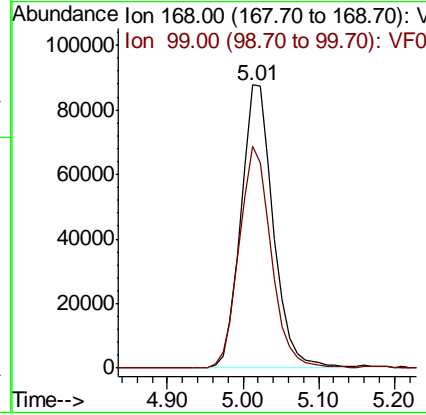
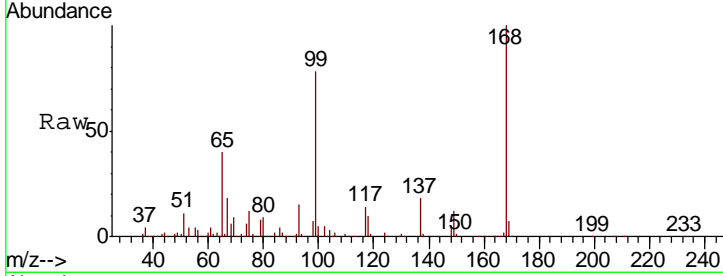




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.01 min Scan# 444  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

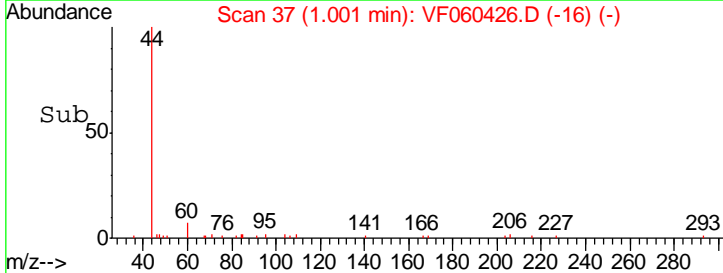
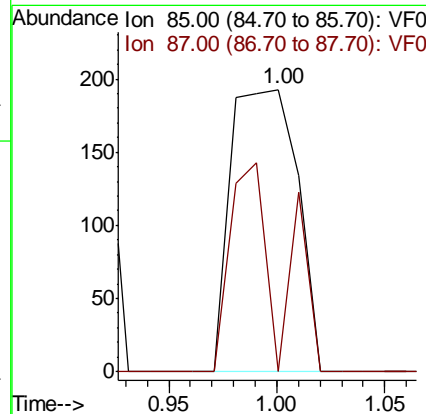
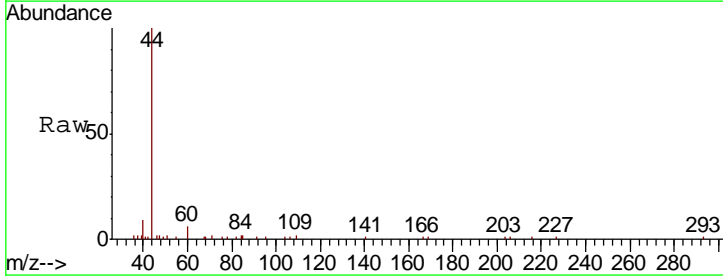
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 AU-05-100218-B

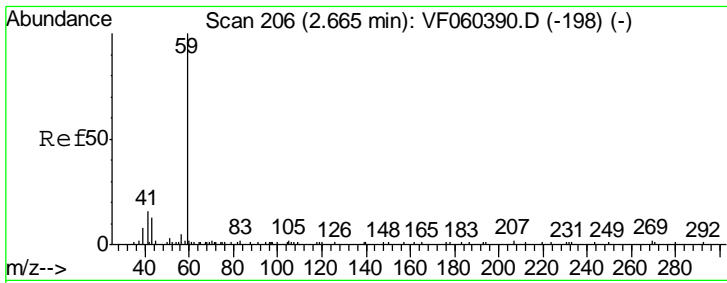
Tgt Ion	Resp	Lower	Upper
168	100		
99	78.4	65.3	97.9



#2  
 Dichlorodifluoromethane  
 Concen: Below Cal  
 RT: 1.00 min Scan# 37  
 Delta R.T. 0.01 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	0.0	15.9	47.6#

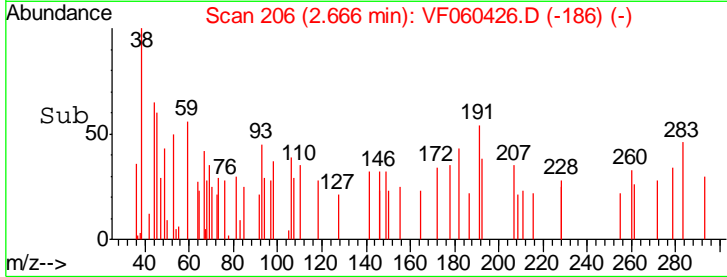
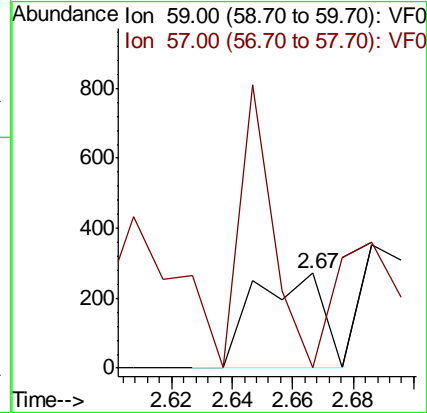
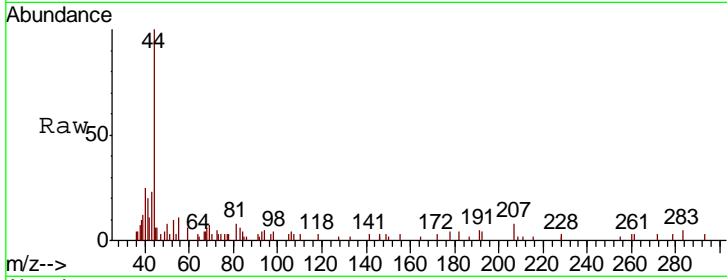




#11  
 Tert butyl alcohol  
 Concen: 1.722 ug/l  
 RT: 2.67 min Scan# 206  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

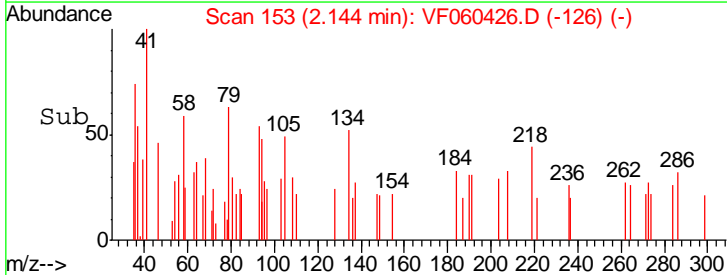
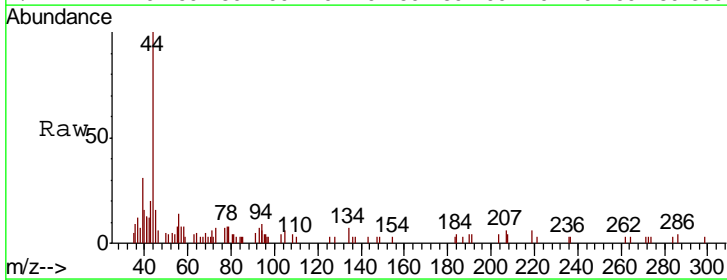
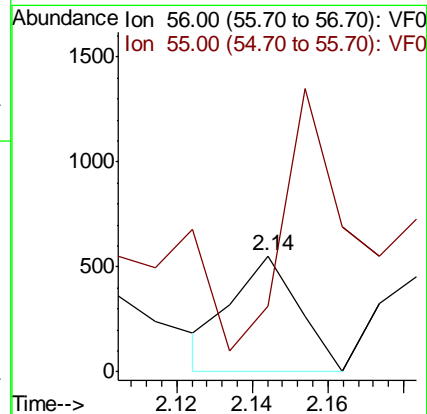
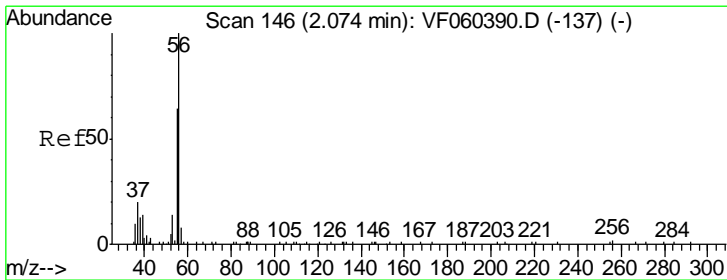
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 AU-05-100218-B

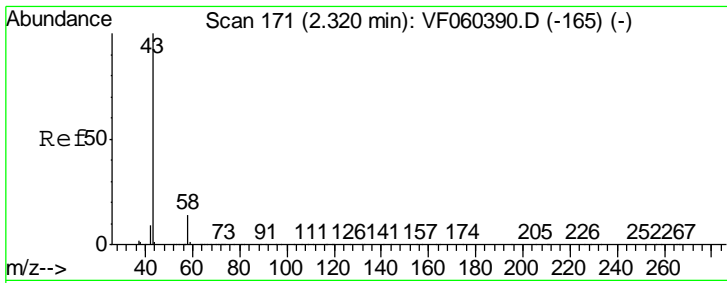
Tgt Ion: 59 Resp: 423  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 6.5 9.7#



#13  
 Acrolein  
 Concen: 3.401 ug/l  
 RT: 2.14 min Scan# 153  
 Delta R.T. 0.07 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion: 56 Resp: 672  
 Ion Ratio Lower Upper  
 56 100  
 55 56.5 53.9 80.9

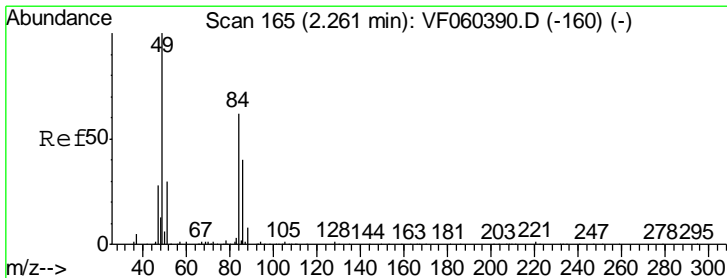
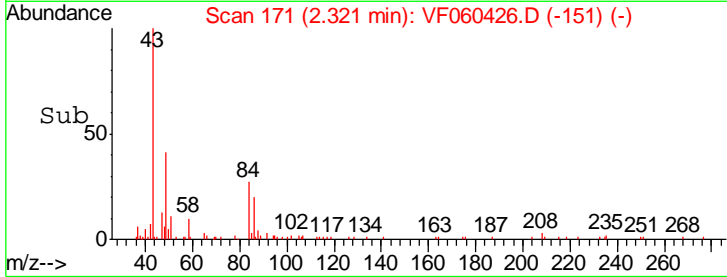
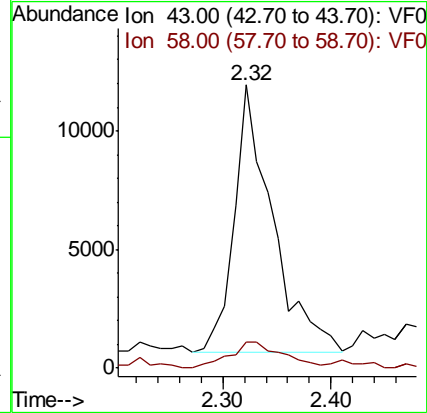
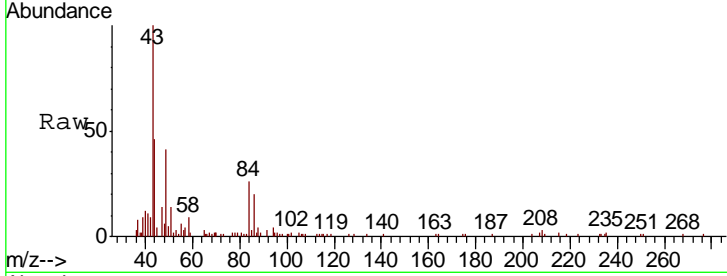




#16  
 Acetone  
 Concen: 10.308 ug/l  
 RT: 2.32 min Scan# 171  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

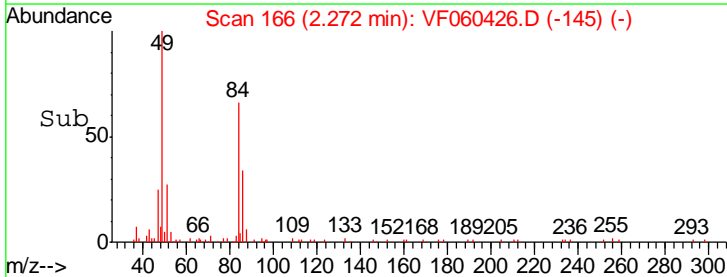
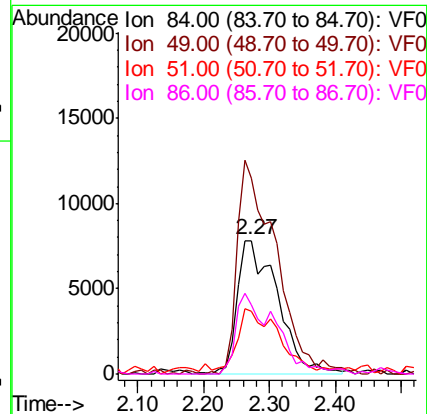
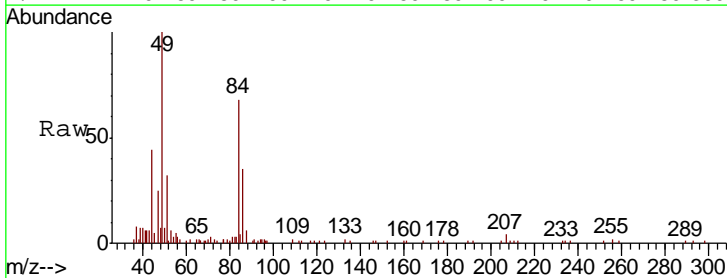
Instrument :  
 MSVOA\_F  
 ClientSampled :  
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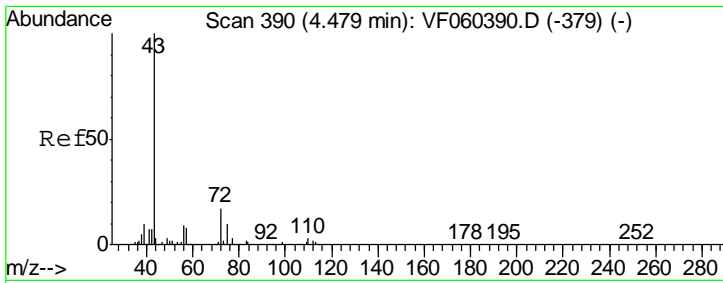
Tgt Ion	Ratio	Lower	Upper
43	100		
58	9.3	11.2	16.8#



#20  
 Methylene Chloride  
 Concen: 6.500 ug/l  
 RT: 2.27 min Scan# 166  
 Delta R.T. 0.01 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.9	130.2	195.2
51	47.1	41.0	61.6
86	51.9	51.5	77.3

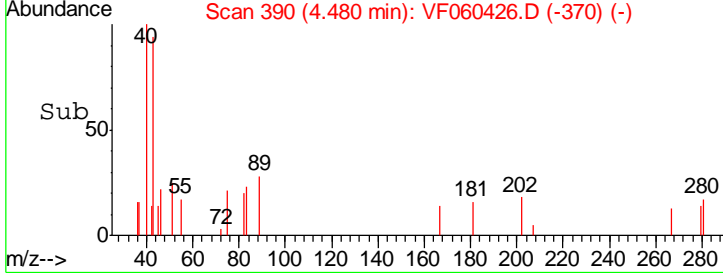
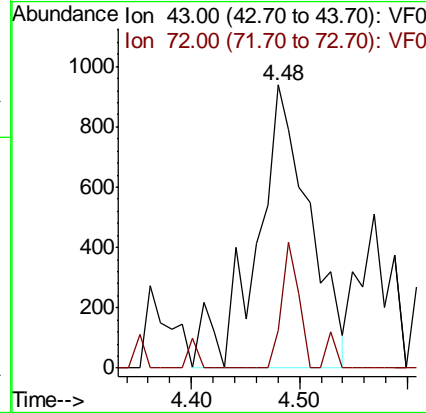
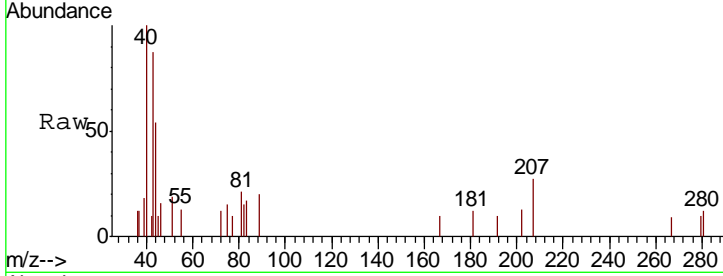




#25  
 2-Butanone  
 Concen: 3.057 ug/l  
 RT: 4.48 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

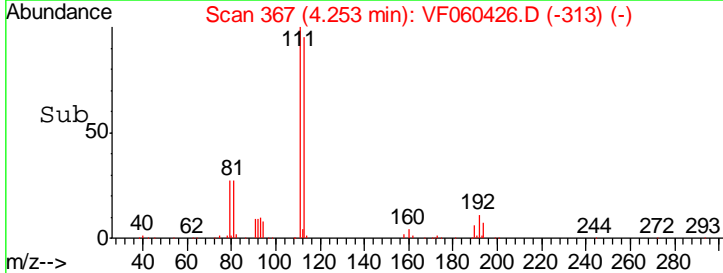
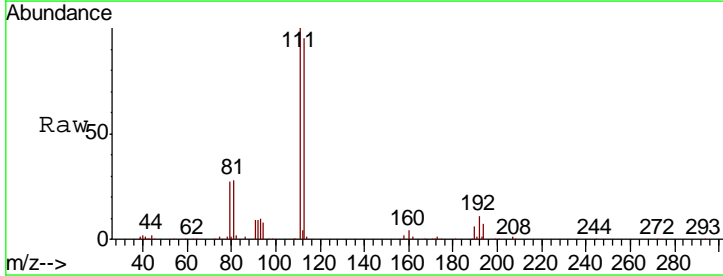
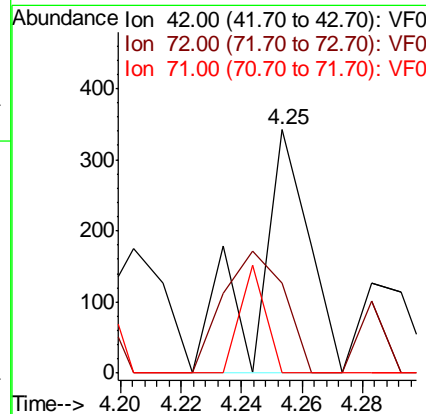
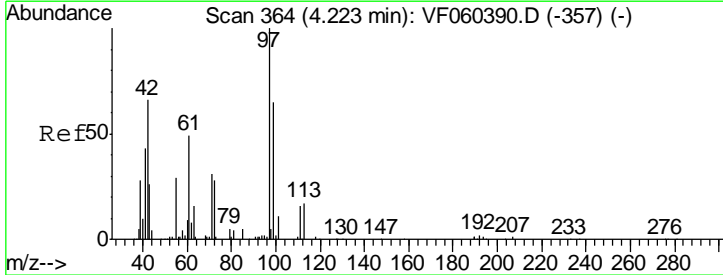
Instrument :  
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 ClientSampled :  
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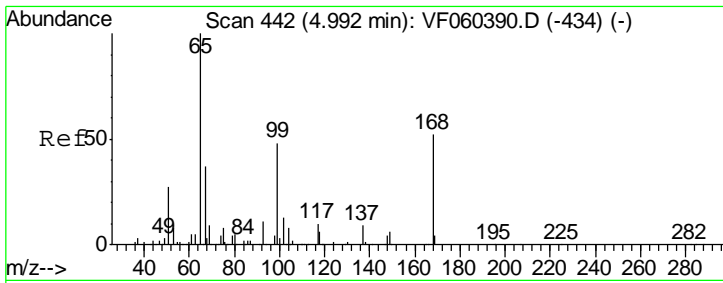
Tgt Ion	Resp	Lower	Upper
43	100		
72	13.3	14.1	21.1#



#29  
 Tetrahydrofuran  
 Concen: Below Cal  
 RT: 4.25 min Scan# 367  
 Delta R.T. 0.03 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Resp	Lower	Upper
42	100		
72	58.5	33.6	50.4#
71	21.7	32.7	49.1#

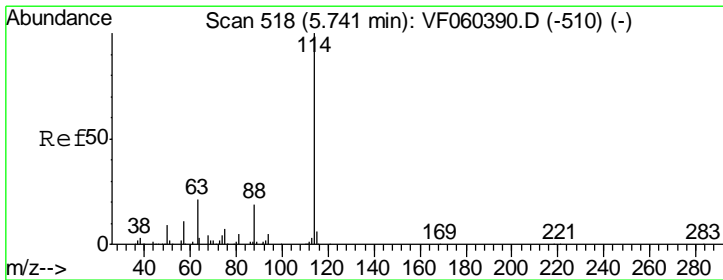
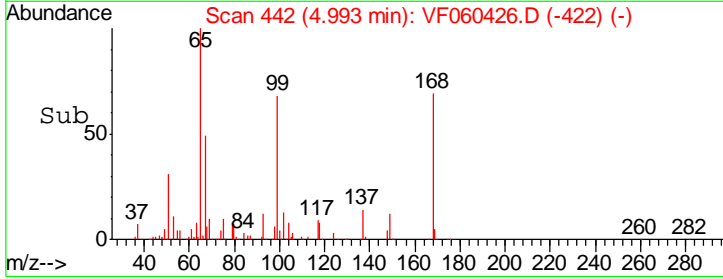
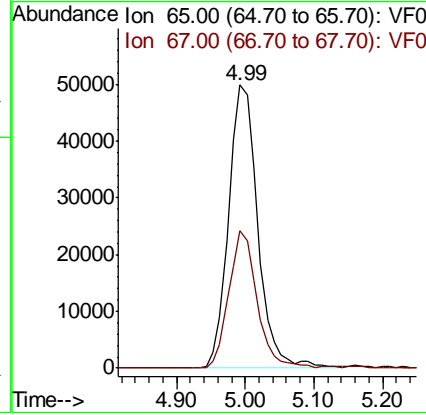
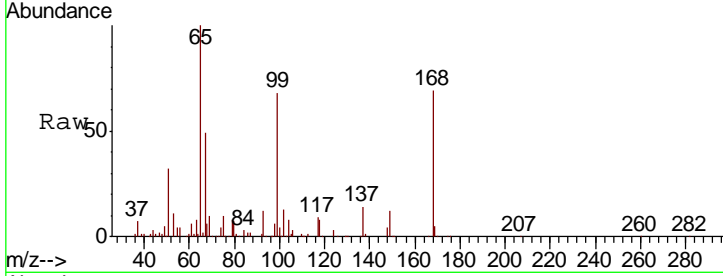




#33  
 1,2-Dichloroethane-d4  
 Concen: 36.222 ug/l  
 RT: 4.99 min Scan# 442  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

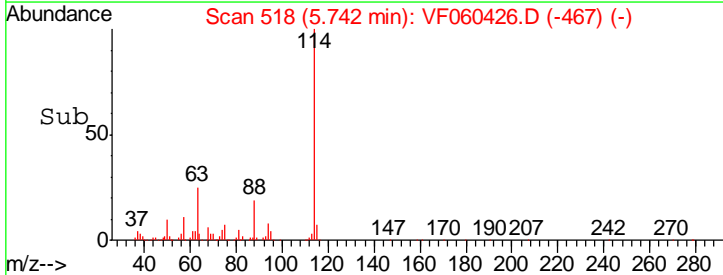
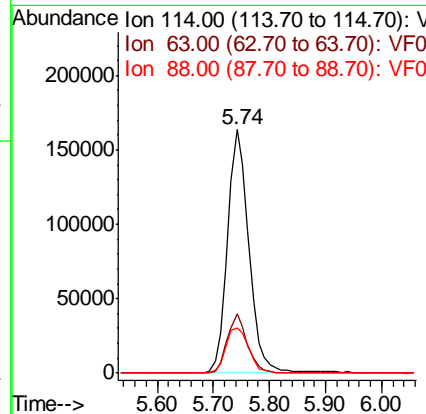
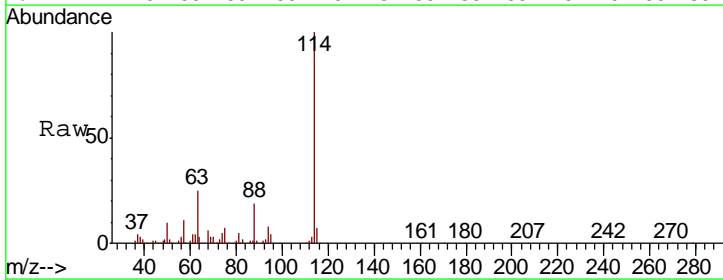
Instrument :  
 MSVOA\_F  
 ClientSampled :  
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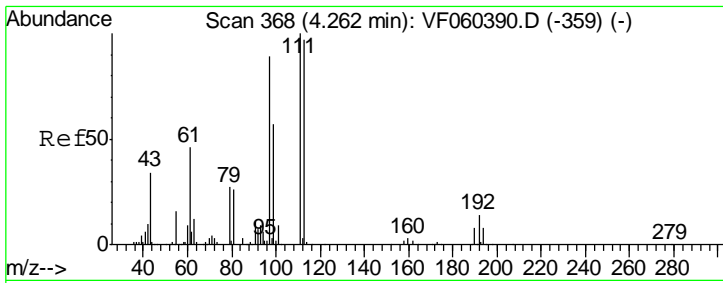
Tgt Ion: 65 Resp: 147113  
 Ion Ratio Lower Upper  
 65 100  
 67 48.7 0.0 89.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.74 min Scan# 518  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion: 114 Resp: 436142  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 0.0 42.2  
 88 18.5 0.0 38.8

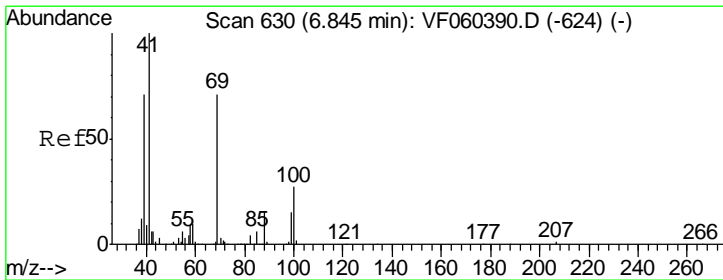
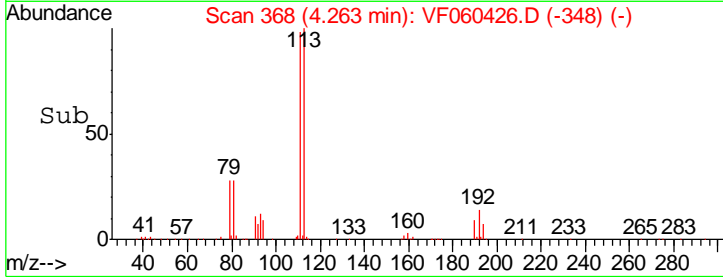
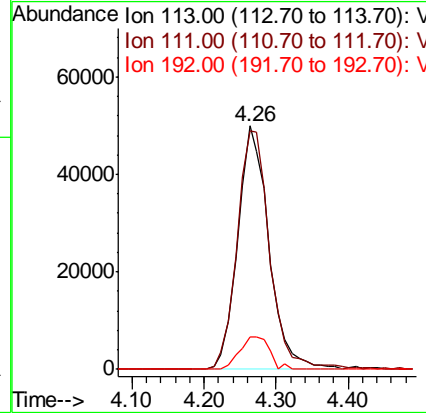
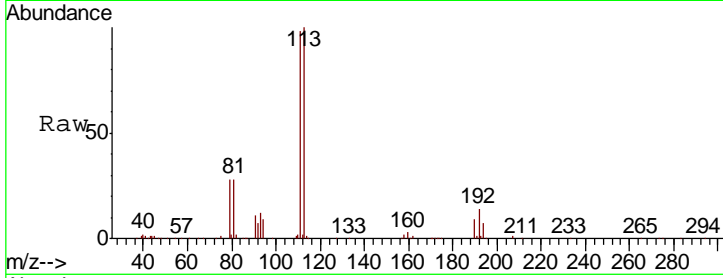




#35  
 Dibromofluoromethane  
 Concen: 36.741 ug/l  
 RT: 4.26 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

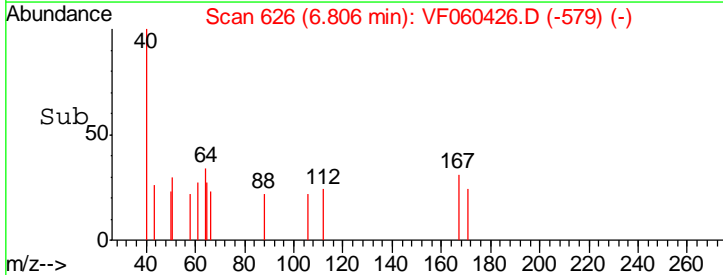
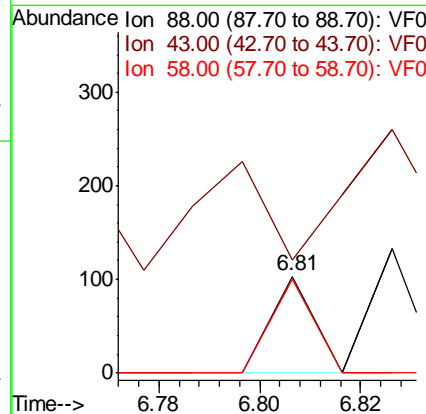
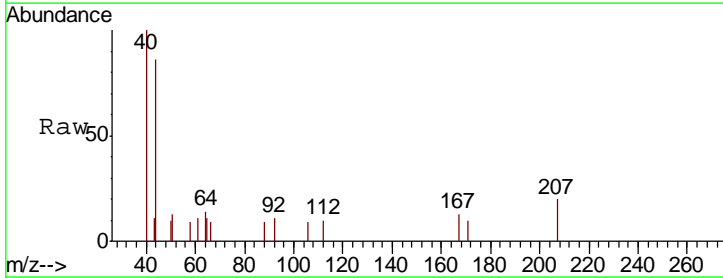
Instrument :  
 MSVOA\_F  
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 AU-05-100218-B

Tgt Ion	Resp	Lower	Upper
113	100		
111	98.0	82.3	123.5
192	13.6	11.8	17.6

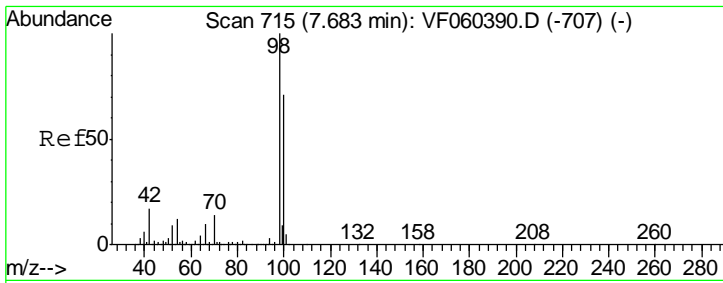


#49  
 1,4-Dioxane  
 Concen: 3.961 ug/l  
 RT: 6.81 min Scan# 626  
 Delta R.T. -0.04 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Resp	Lower	Upper
88	100		
43	116.5	38.3	57.5#
58	97.1	47.4	71.2#



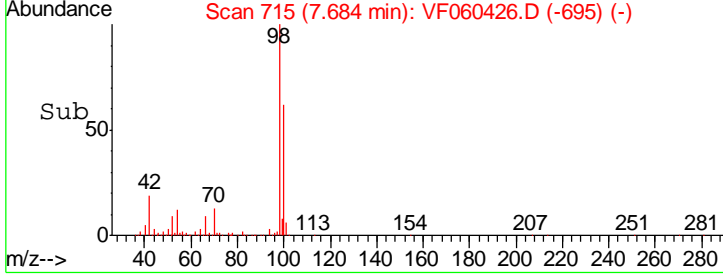
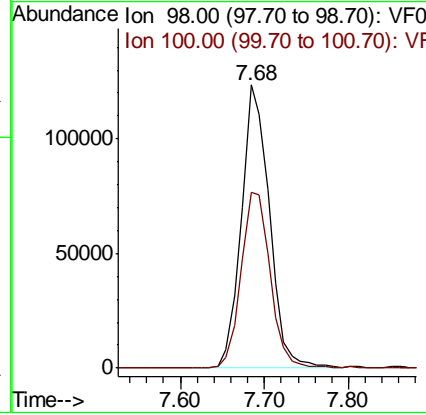
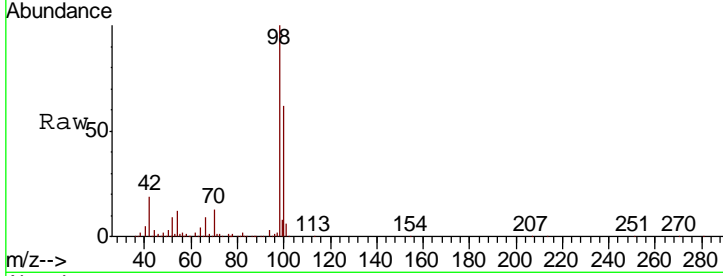




#50  
 Toluene-d8  
 Concen: 28.488 ug/l  
 RT: 7.68 min Scan# 715  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

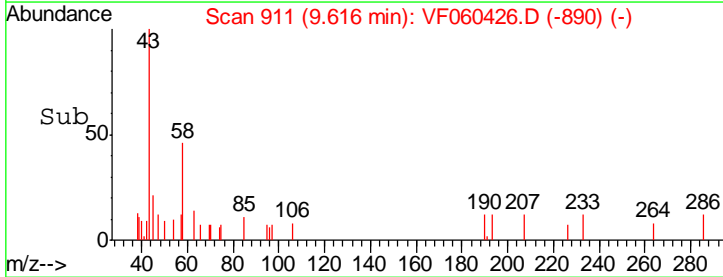
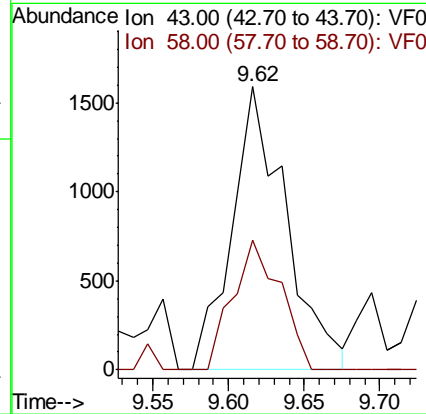
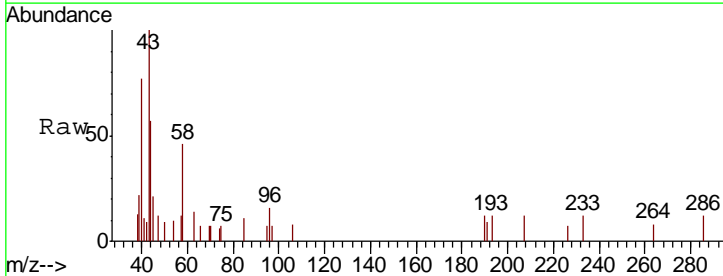
**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 AU-05-100218-B

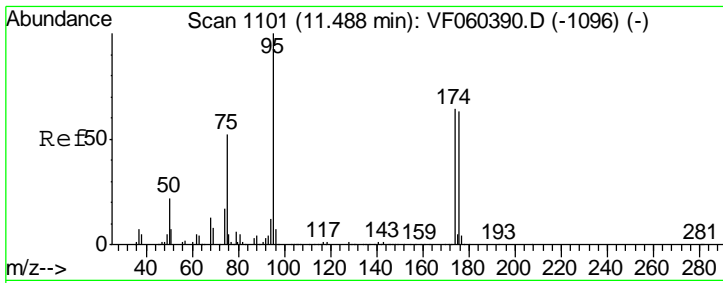
Tgt Ion	Resp	Lower	Upper
98	287464		
100	62.1	56.5	84.7



#59  
 2-Hexanone  
 Concen: 3.048 ug/l  
 RT: 9.62 min Scan# 911  
 Delta R.T. 0.01 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Resp	Lower	Upper
43	3960		
58	46.0	25.6	76.6

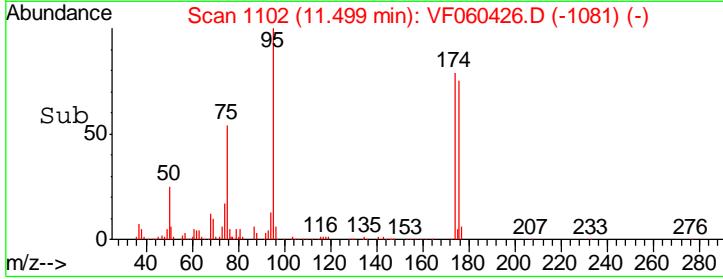
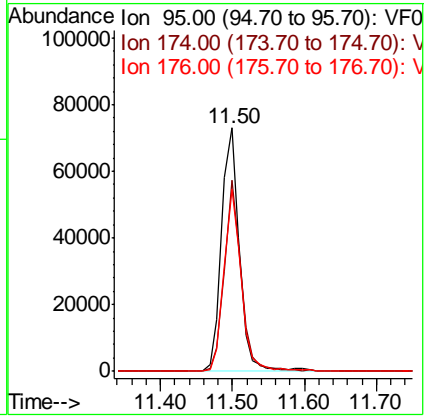
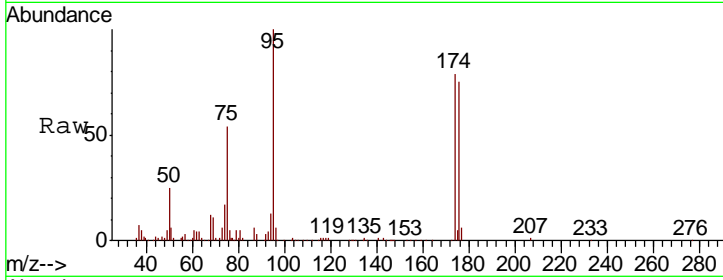




#62  
 4-Bromofluorobenzene  
 Concen: 27.013 ug/l  
 RT: 11.50 min Scan# 1102  
 Delta R.T. 0.01 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

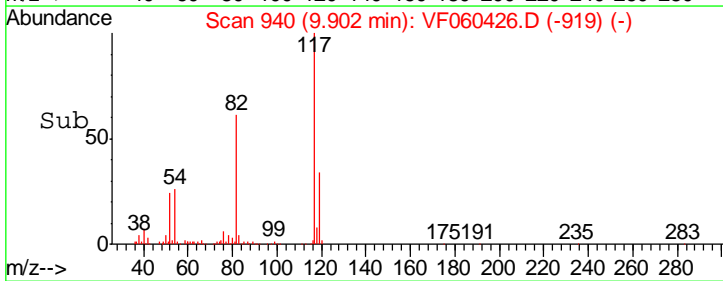
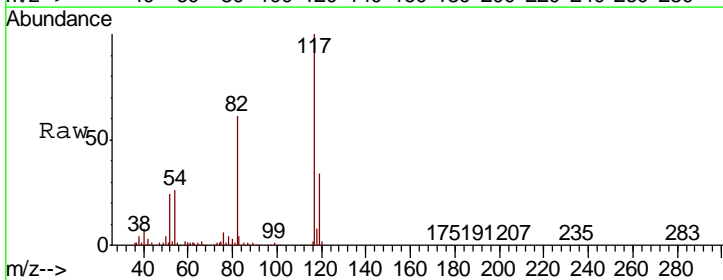
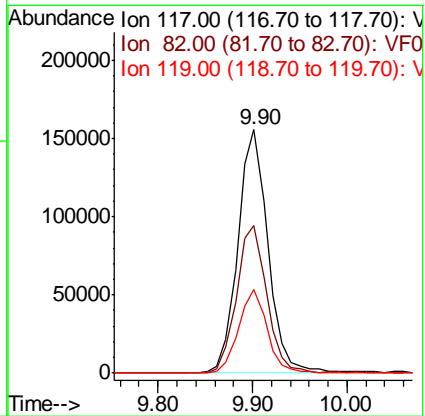
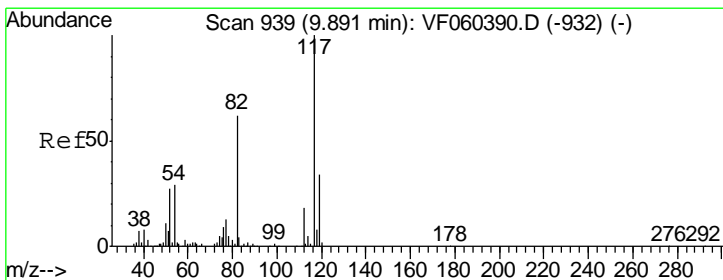
Instrument : MSVOA\_F  
 ClientSampled : AU-05-100218-B

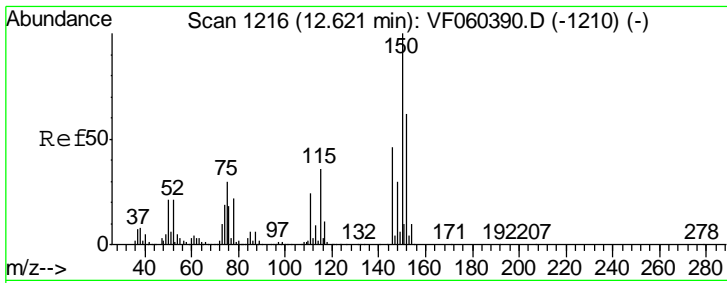
Tgt Ion	Resp	Lower	Upper
95	124460		
174	78.5	0.0	129.0
176	74.6	0.0	125.6



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.90 min Scan# 940  
 Delta R.T. 0.01 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Resp	Lower	Upper
117	342342		
82	60.7	49.5	74.3
119	34.2	27.0	40.6

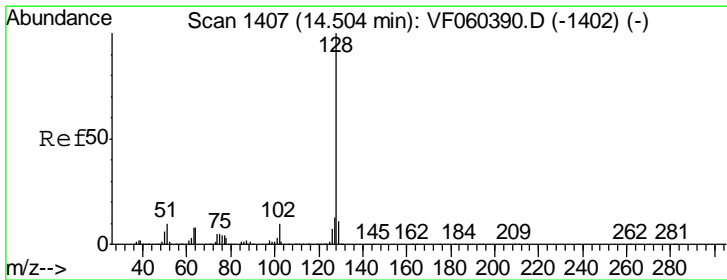
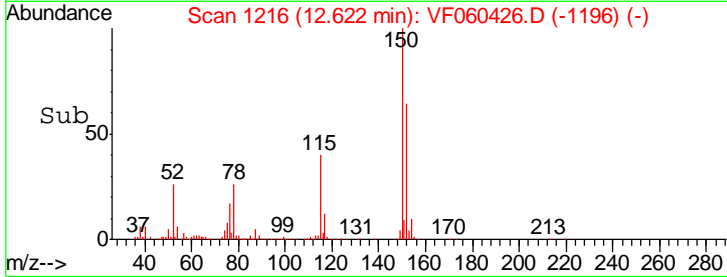
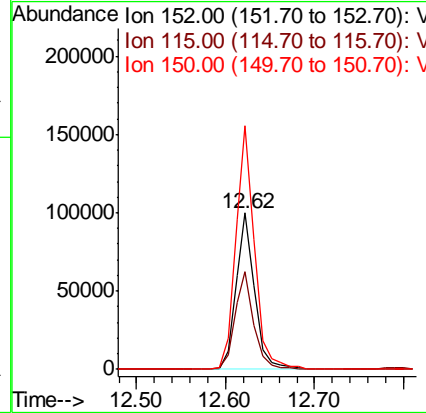
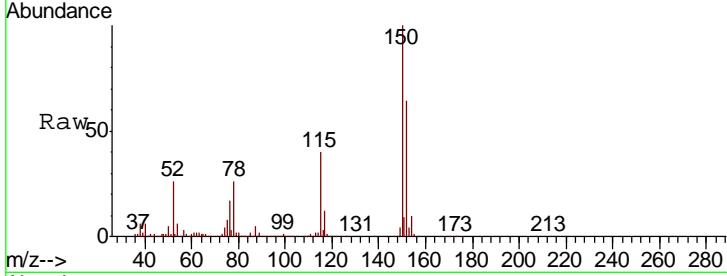




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.62 min Scan# 1216  
 Delta R.T. 0.00 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Instrument : MSVOA\_F  
 ClientSampled : AU-05-100218-B

Tgt Ion	Resp	Lower	Upper
152	100		
115	62.3	28.6	85.8
150	155.9	0.0	324.6



#95  
 Naphthalene  
 Concen: 2.283 ug/l  
 RT: 14.51 min Scan# 1408  
 Delta R.T. 0.01 min  
 Lab File: VF060426.D  
 Acq: 3 Oct 2018 20:35

Tgt Ion	Resp	Lower	Upper
128	100		
127	9.6	10.0	15.0#
129	13.9	8.7	13.1#

