

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\  
 Data File : VD060016.D  
 Acq On : 17 Sep 2018 12:48  
 Operator : JC/SY  
 Sample : J4906-13RE  
 Misc : 4.28g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 17 13:52:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D091318S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 13 16:17:40 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1134524	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	1543485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1178600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	501185	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	430752	48.69	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	97.38%
35) Dibromofluoromethane	6.31	113	521882	43.28	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	86.56%
50) Toluene-d8	9.45	98	1377364	41.22	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	82.44%
62) 4-Bromofluorobenzene	12.42	95	468348	36.68	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	73.36%

## Target Compounds

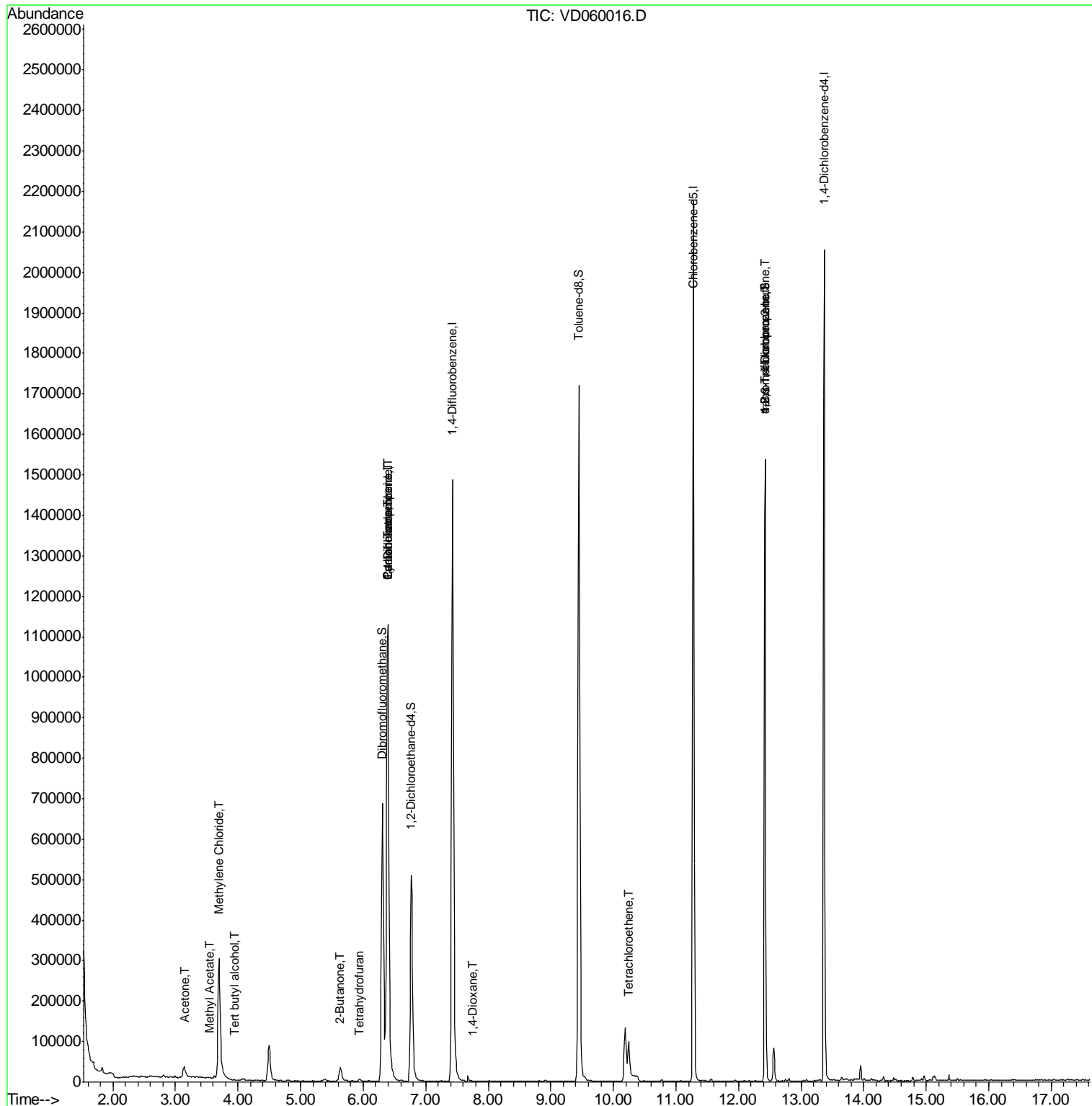
						Qvalue
11) Tert butyl alcohol	3.94	59	757	1.060	ug/l #	74
16) Acetone	3.14	43	62015	36.305	ug/l	96
18) Methyl Acetate	3.53	43	4469	1.286	ug/l #	64
20) Methylene Chloride	3.70	84	180644	8.944	ug/l	99
25) 2-Butanone	5.62	43	5676	1.231	ug/l #	61
29) Tetrahydrofuran	5.94	42	4029	1.630	ug/l #	84
31) Cyclohexane	6.38	56	22713	1.156	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	78479	5.119	ug/l #	46
38) Carbon Tetrachloride	6.39	117	86812	6.065	ug/l #	15
49) 1,4-Dioxane	7.75	88	180	2.305	ug/l #	24
51) 4-Methyl-2-Pentanone	9.34	43	1190	Below Cal	#	42
59) 2-Hexanone	10.49	43	1663	Below Cal		94
64) Tetrachloroethene	10.24	164	25131	2.417	ug/l	96
76) 1,2,3-Trichloropropane	12.42	75	168633	22.031	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	192191	83.178	ug/l #	15
89) n-Butylbenzene	13.65	91	1726	Below Cal	#	71
91) 1,2-Dichlorobenzene	13.66	146	2115	Below Cal		91

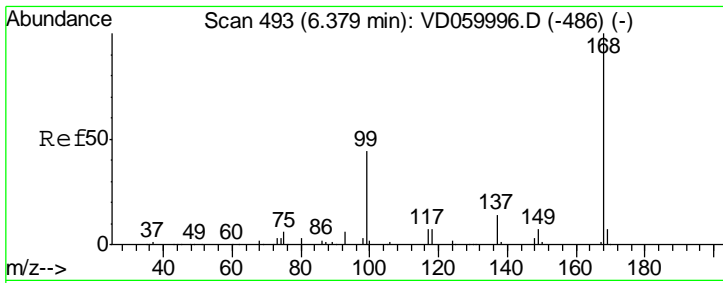
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampleID :

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 Quant Title : SW846 8260  
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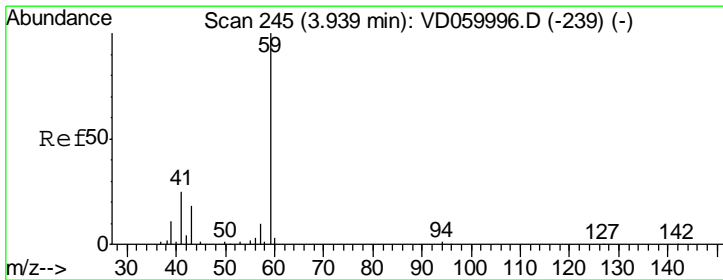
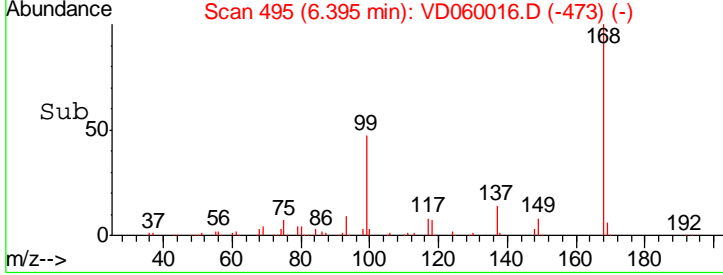
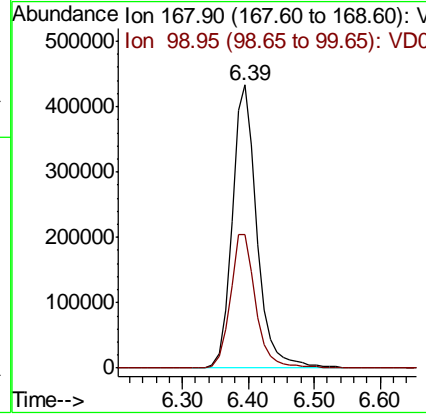
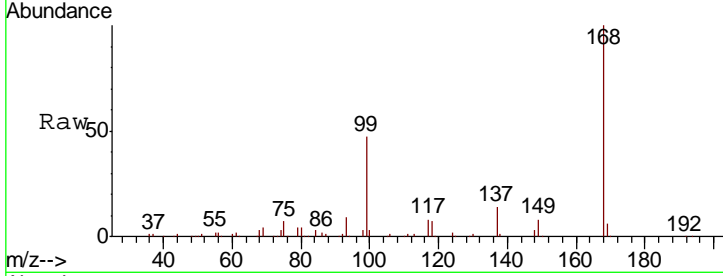




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.39 min Scan# 495  
 Delta R.T. 0.02 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

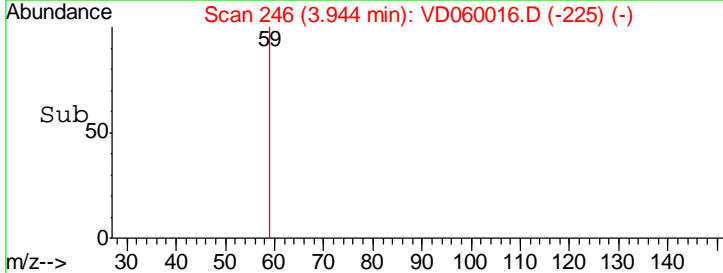
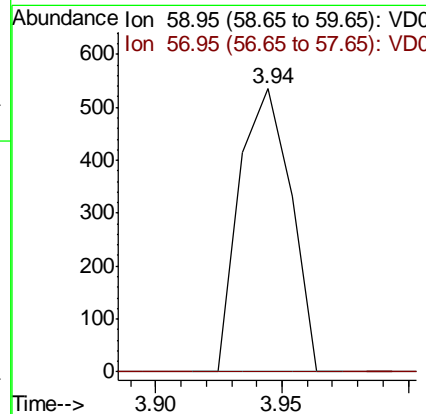
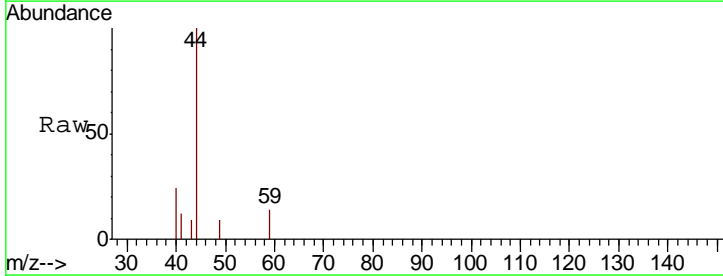
Instrument : MSVOA\_D  
 ClientSampled :

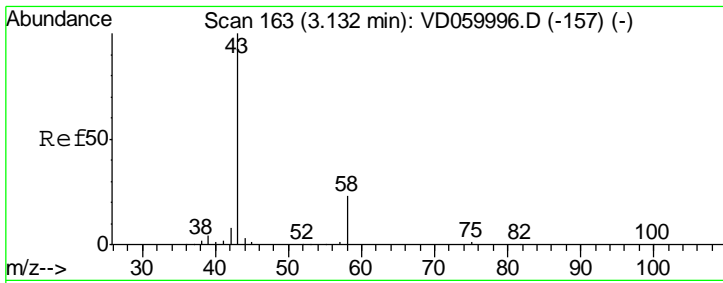
Tgt Ion	Resp	Lower	Upper
168	100		
99	47.4	38.5	57.7



#11  
 Tert butyl alcohol  
 Concen: 1.060 ug/l  
 RT: 3.94 min Scan# 246  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	7.4	11.2#

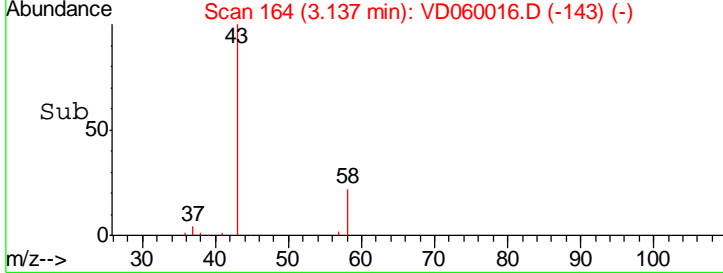
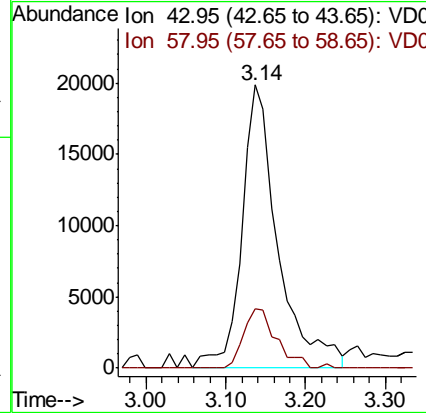
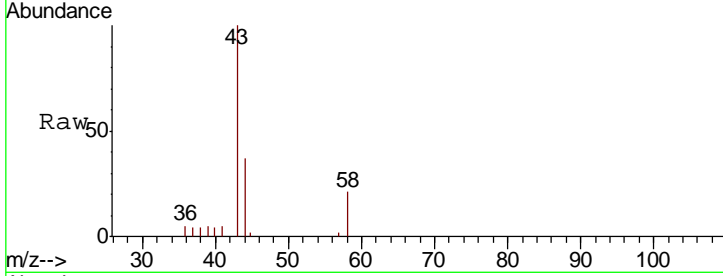




#16  
 Acetone  
 Concen: 36.305 ug/l  
 RT: 3.14 min Scan# 164  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

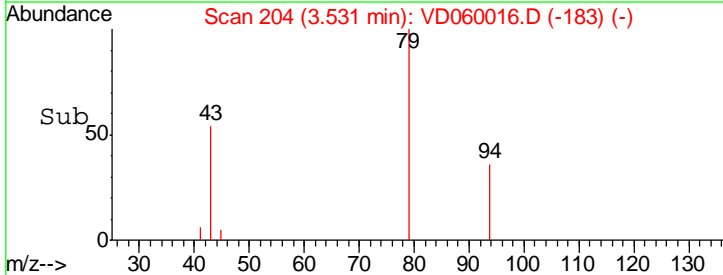
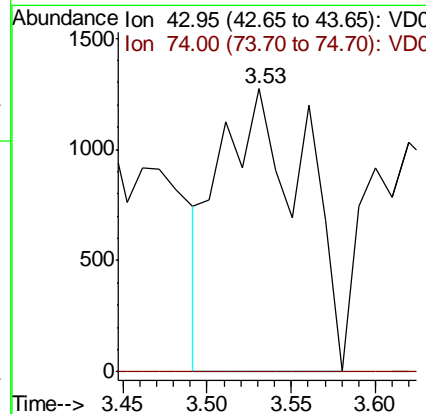
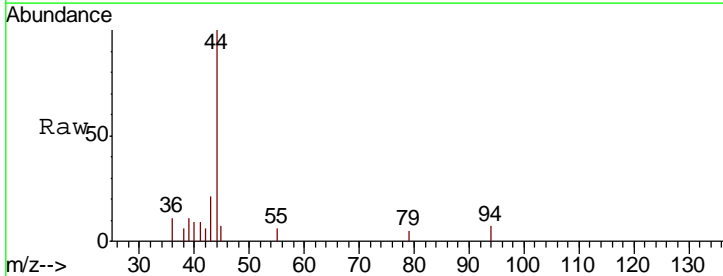
Instrument :  
 MSVOA\_D  
 ClientSampled :

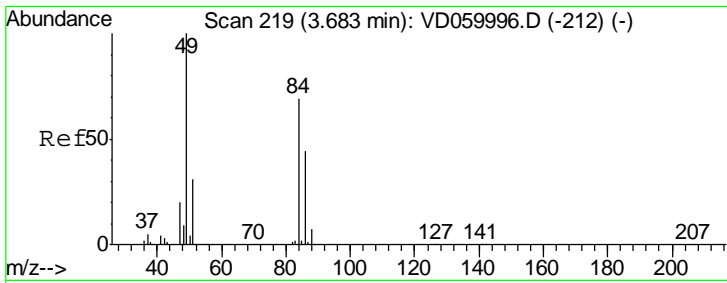
Tgt Ion	Resp	Lower	Upper
43	62015		
58	20.8	18.1	27.1



#18  
 Methyl Acetate  
 Concen: 1.286 ug/l  
 RT: 3.53 min Scan# 204  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
43	4469		
74	0.0	11.8	17.8#

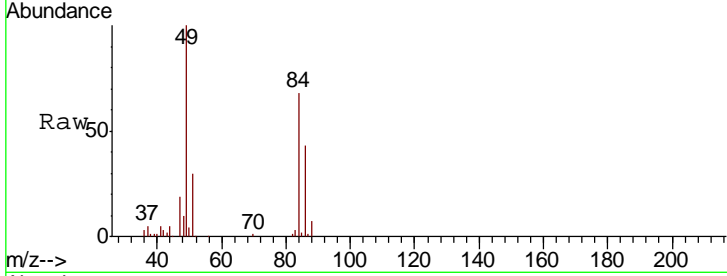




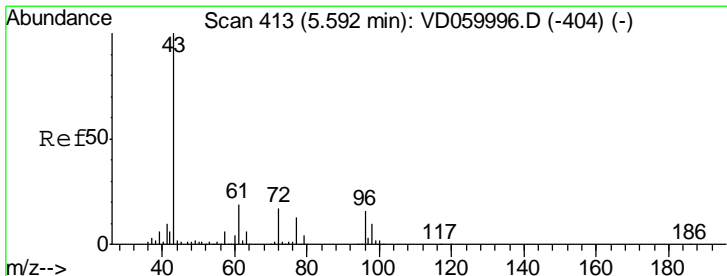
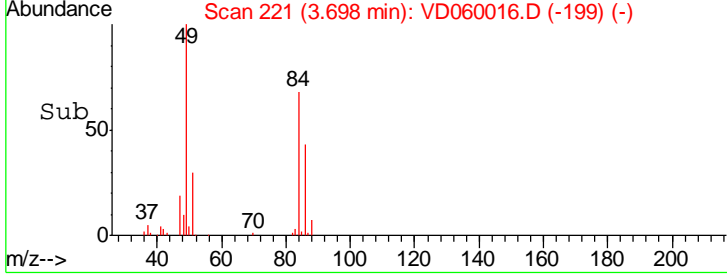
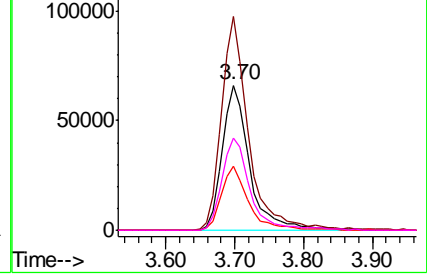
#20  
 Methylene Chloride  
 Concen: 8.944 ug/l  
 RT: 3.70 min Scan# 221  
 Delta R.T. 0.02 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
84	180644		
49	147.0	116.6	175.0
51	44.4	35.9	53.9
86	63.0	51.8	77.6

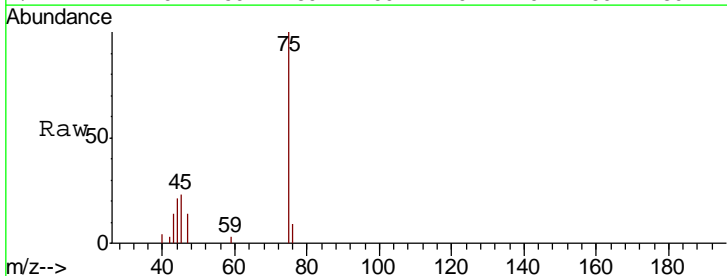


Abundance Ion 83.95 (83.65 to 84.65): VDC  
 Ion 48.90 (48.60 to 49.60): VDC  
 Ion 50.90 (50.60 to 51.60): VDC  
 Ion 85.90 (85.60 to 86.60): VDC

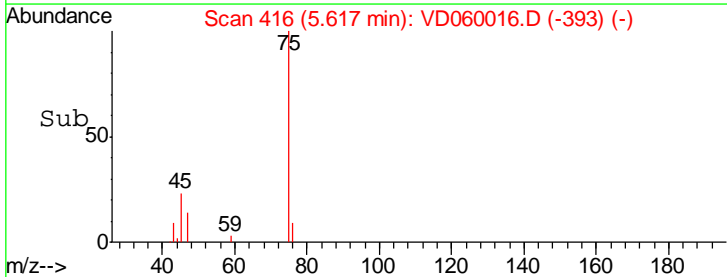
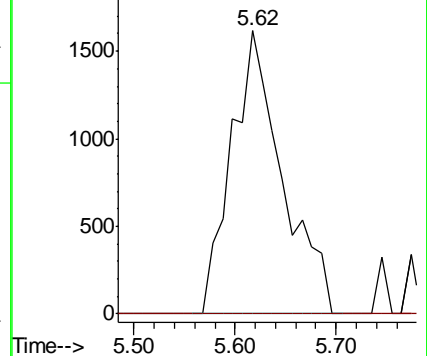


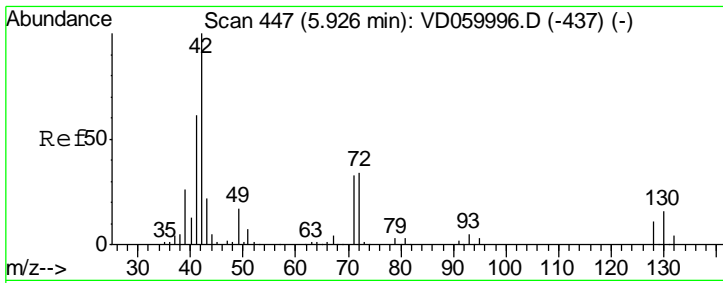
#25  
 2-Butanone  
 Concen: 1.231 ug/l  
 RT: 5.62 min Scan# 416  
 Delta R.T. 0.03 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
43	5676		
72	0.0	13.6	20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 72.00 (71.70 to 72.70): VDC

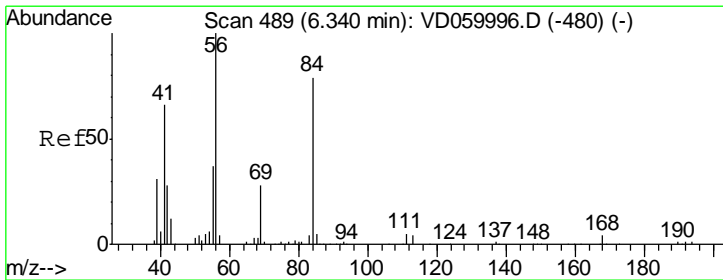
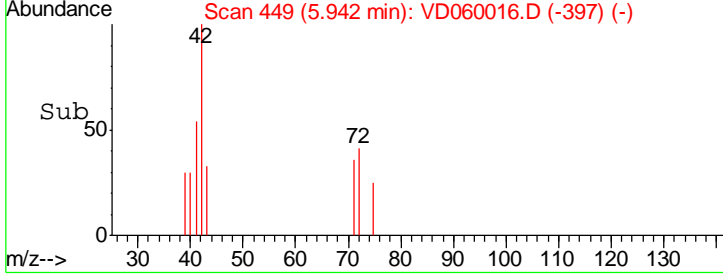
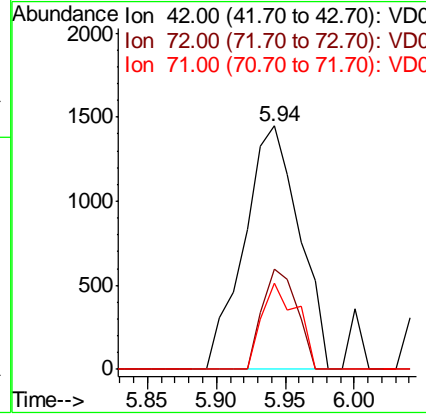
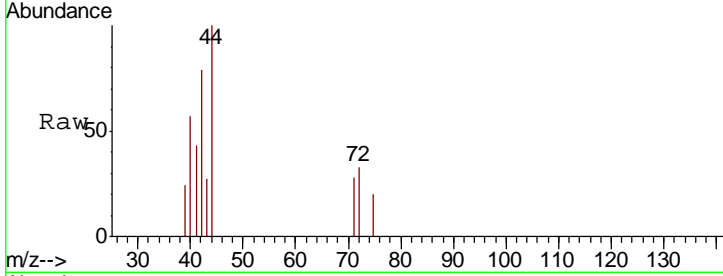




#29  
 Tetrahydrofuran  
 Concen: 1.630 ug/l  
 RT: 5.94 min Scan# 449  
 Delta R.T. 0.02 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

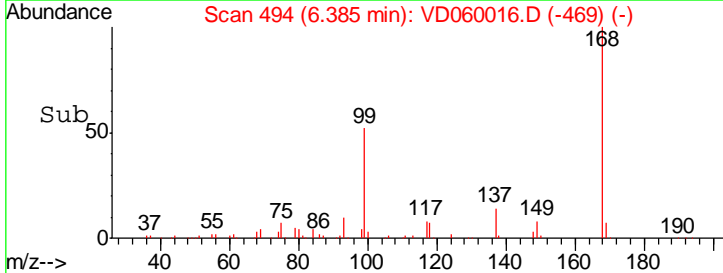
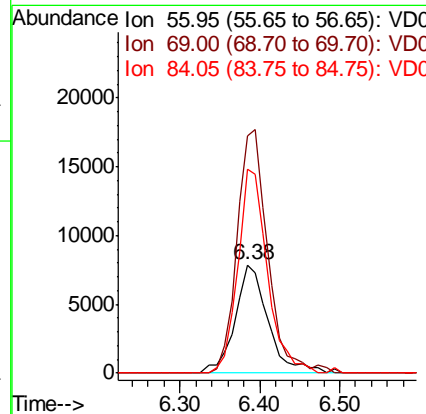
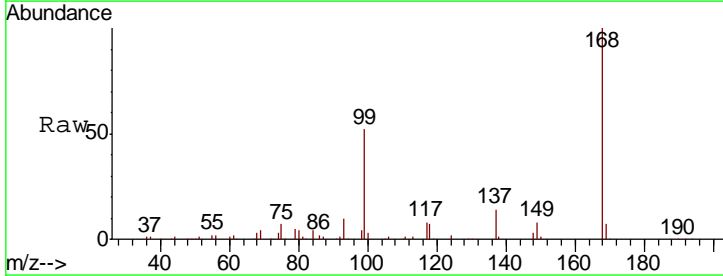
Instrument :  
 MSVOA\_D  
 ClientSampled :

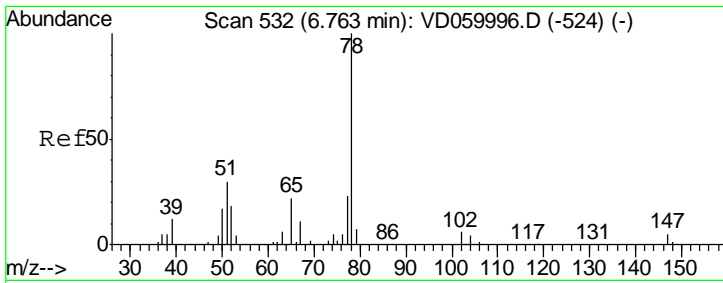
Tgt Ion	Resp	Lower	Upper
42	100		
72	25.9	26.9	40.3#
71	22.6	26.2	39.4#



#31  
 Cyclohexane  
 Concen: 1.156 ug/l  
 RT: 6.38 min Scan# 494  
 Delta R.T. 0.05 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
56	100		
69	219.5	22.7	34.1#
84	189.4	64.0	96.0#

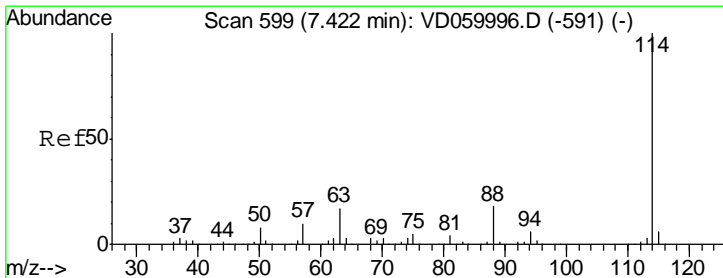
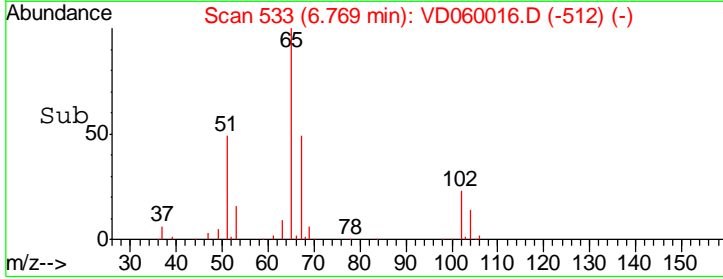
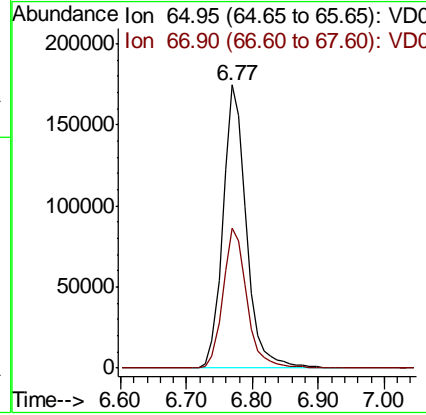
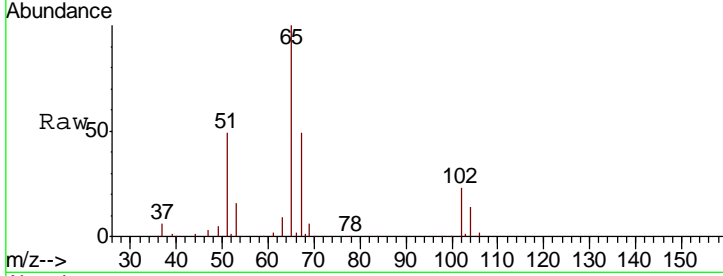




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.77 min Scan# 533  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

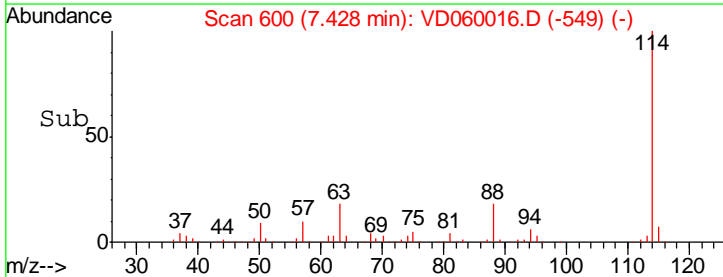
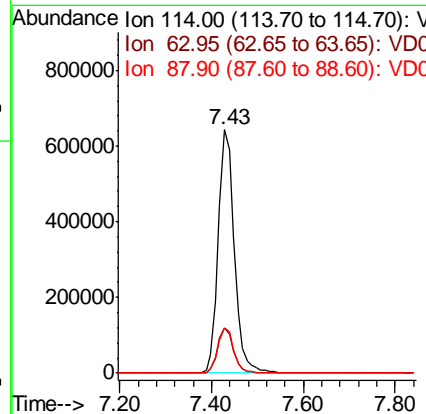
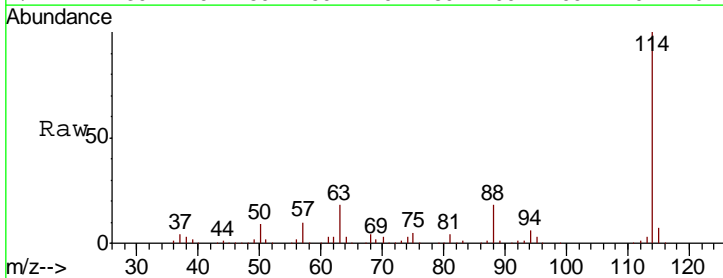
Instrument :  
 MSVOA\_D  
 ClientSampled :

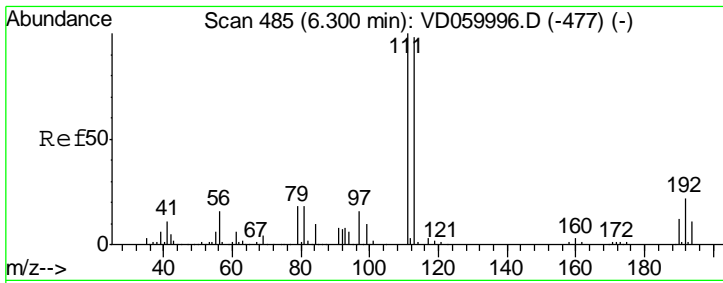
Tgt Ion	Resp	Lower	Upper
65	100		
67	49.4	0.0	104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.43 min Scan# 600  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.4	0.0	34.4
88	18.4	0.0	35.8

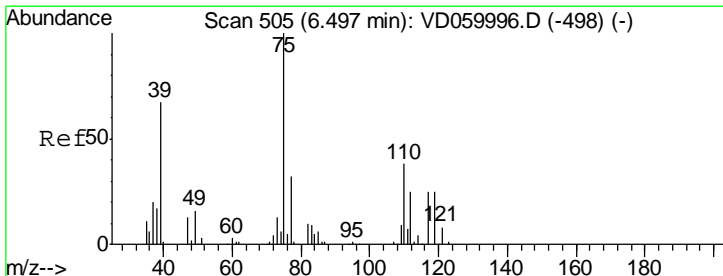
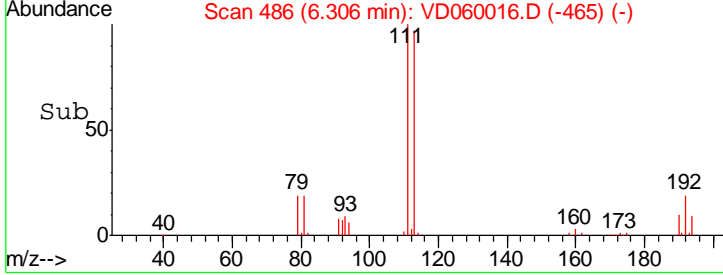
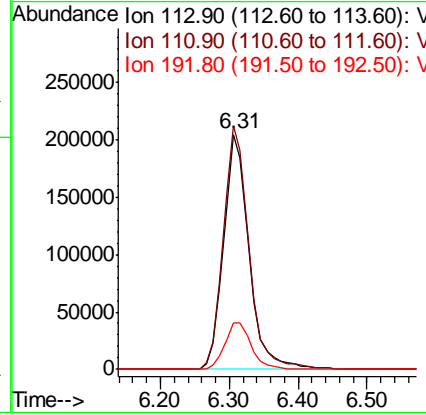
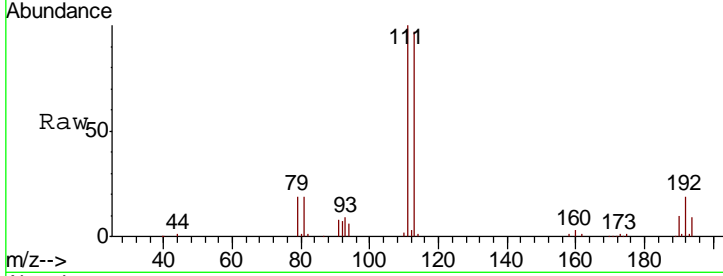




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.31 min Scan# 486  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

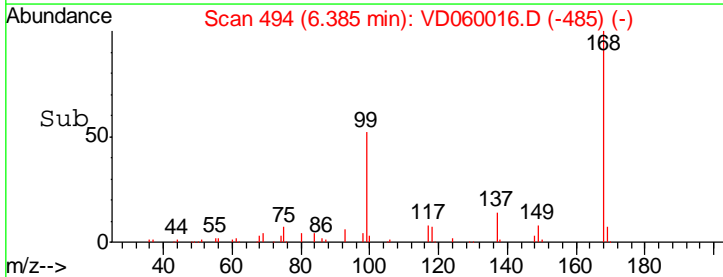
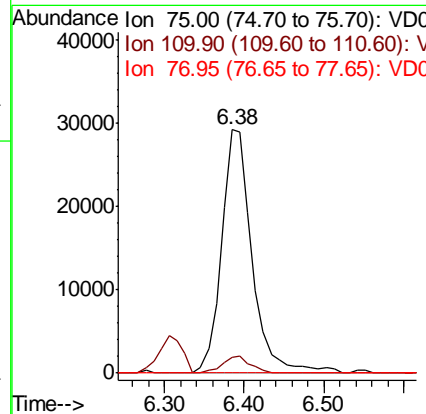
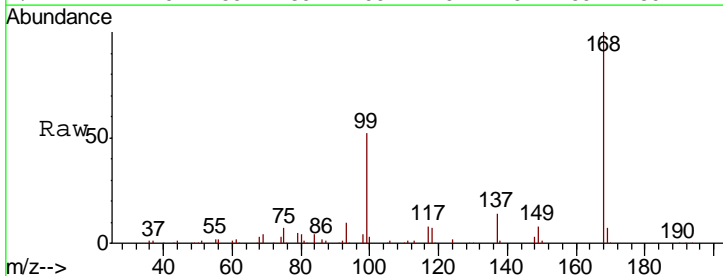
Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	19.9	18.1	27.1

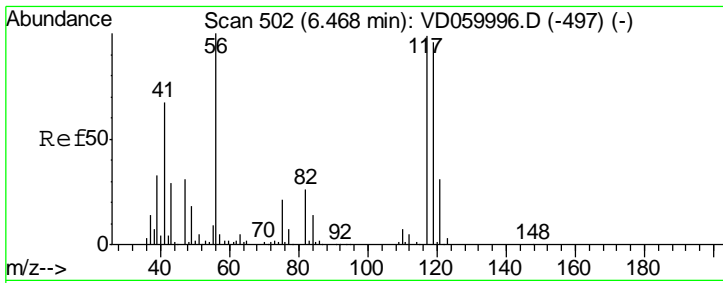


#36  
 1,1-Dichloropropene  
 Concen: 5.119 ug/l  
 RT: 6.38 min Scan# 494  
 Delta R.T. -0.11 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
75	100		
110	6.6	18.9	56.9#
77	0.0	25.3	37.9#



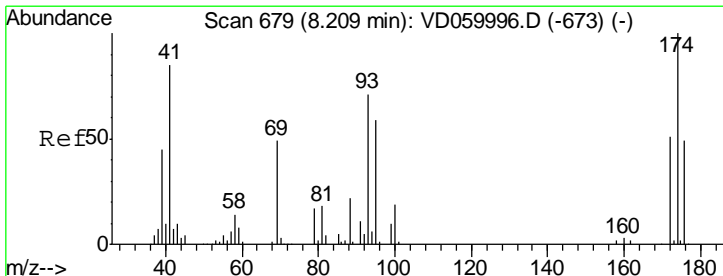
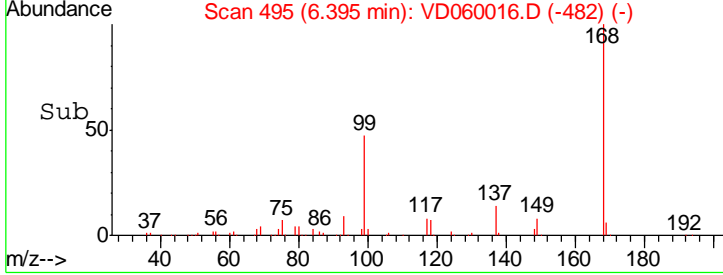
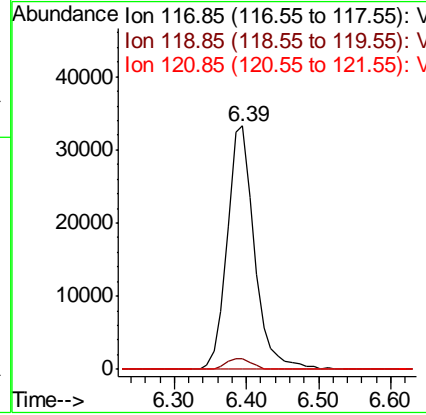
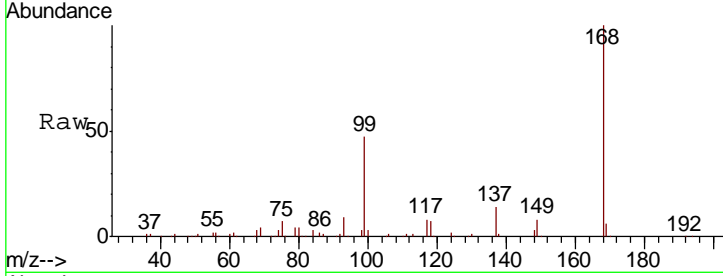




#38  
 Carbon Tetrachloride  
 Concen: 6.065 ug/l  
 RT: 6.39 min Scan# 495  
 Delta R.T. -0.07 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

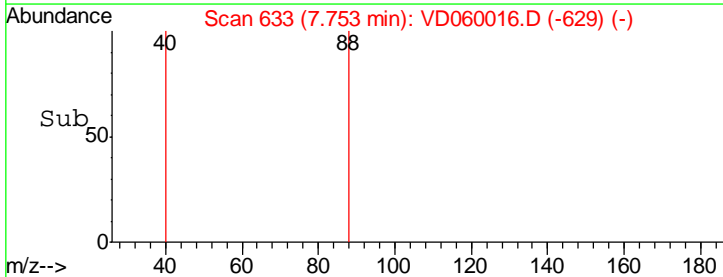
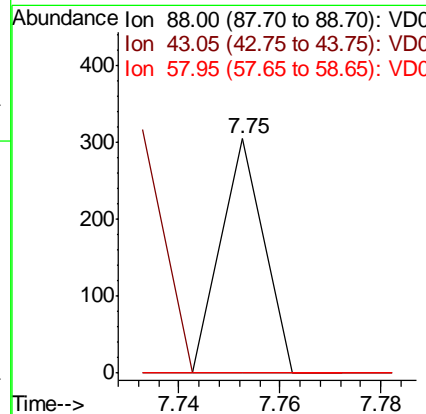
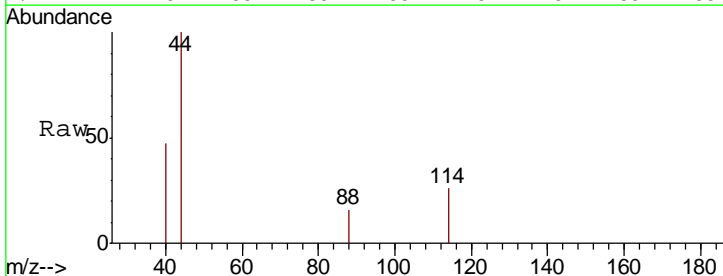
Instrument :  
 MSVOA\_D  
 ClientSampled :

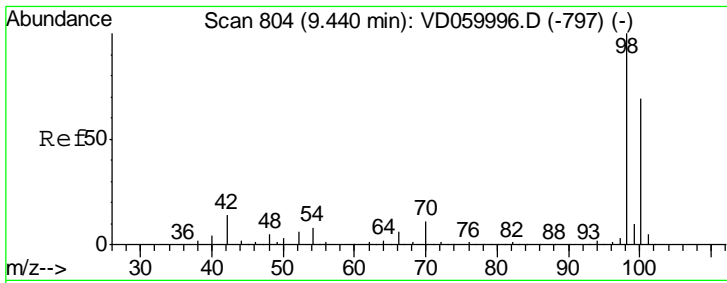
Tgt Ion	Resp	Lower	Upper
117	86812		
119	4.3	76.7	115.1#
121	0.0	24.9	37.3#



#49  
 1,4-Dioxane  
 Concen: 2.305 ug/l  
 RT: 7.75 min Scan# 633  
 Delta R.T. -0.46 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
88	180		
43	0.0	36.2	54.2#
58	0.0	51.0	76.6#

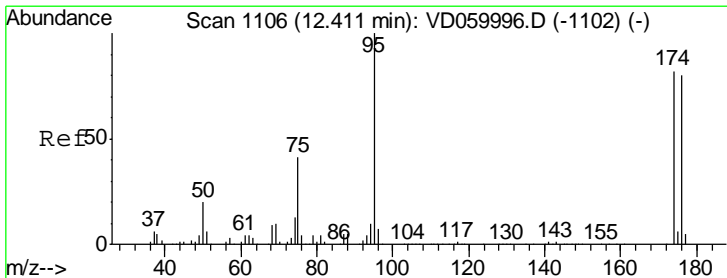
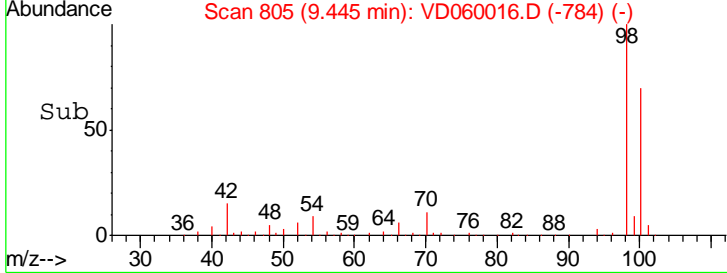
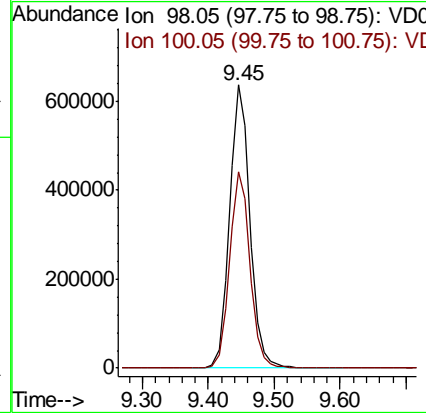
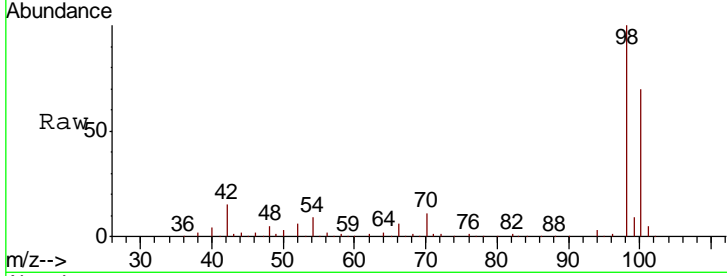




#50  
 Toluene-d8  
 Concen: 2.305 ug/l  
 RT: 9.45 min Scan# 805  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

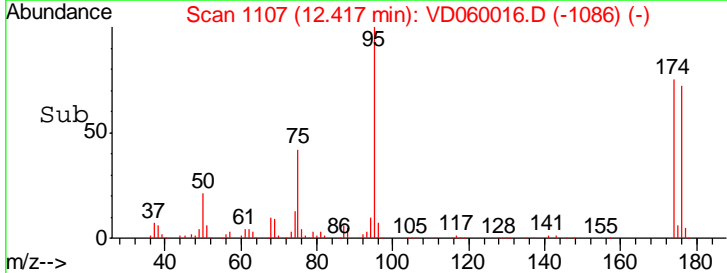
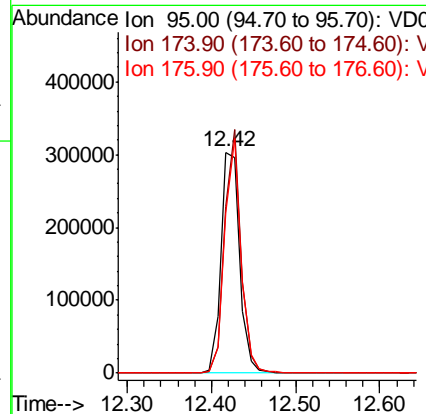
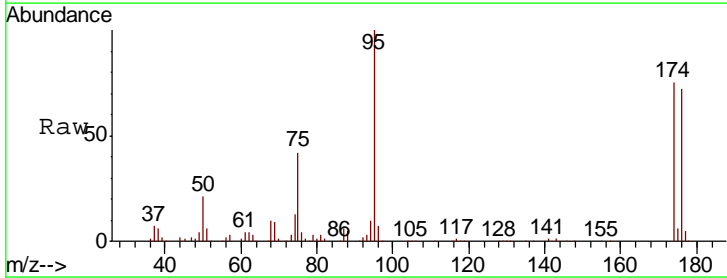
Instrument : MSVOA\_D  
 ClientSampled :

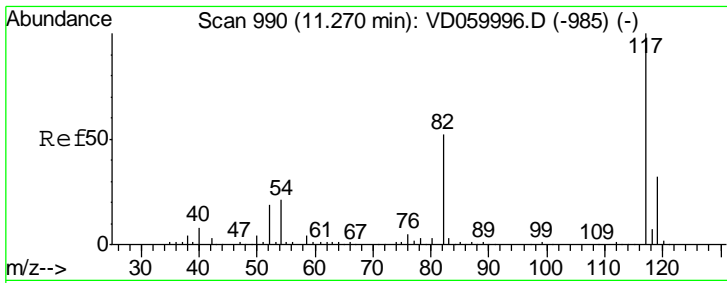
Tgt Ion: 98 Resp: 1377364  
 Ion Ratio Lower Upper  
 98 100  
 100 69.5 55.8 83.6



#62  
 4-Bromofluorobenzene  
 Concen: N.D. ug/l  
 RT: 12.42 min Scan# 1107  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion: 95 Resp: 468348  
 Ion Ratio Lower Upper  
 95 100  
 174 75.2 0.0 165.0  
 176 72.3 0.0 160.2



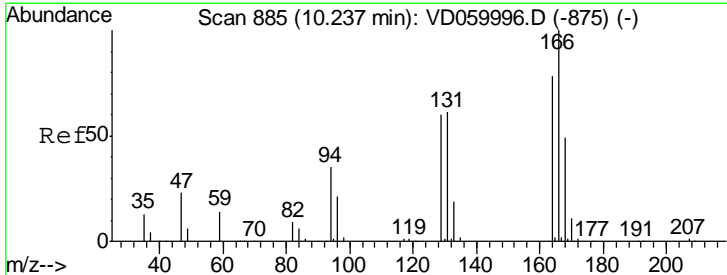
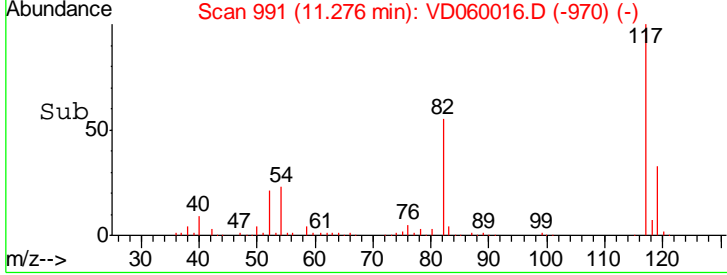
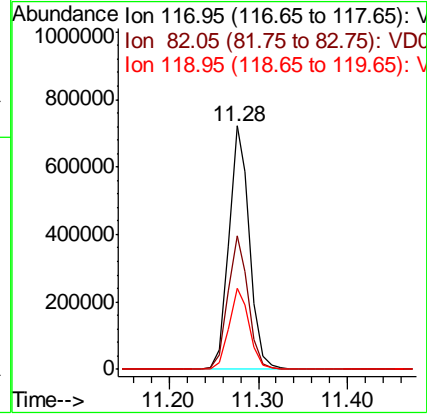
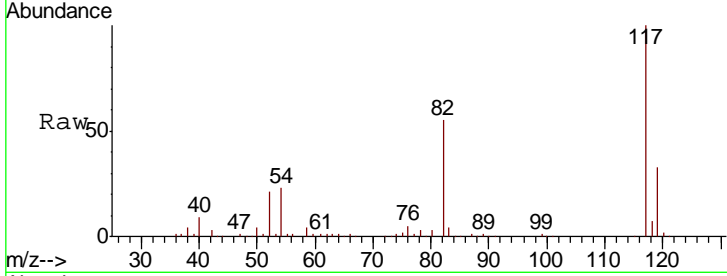


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.28 min Scan# 991  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion:117 Resp: 1178600

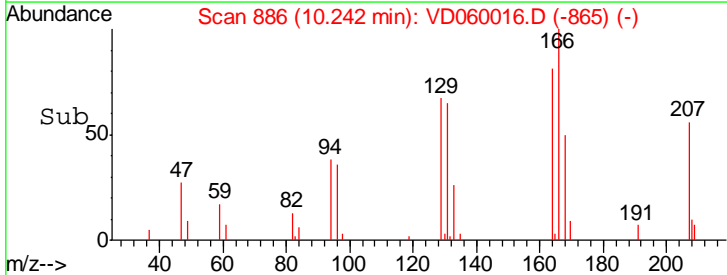
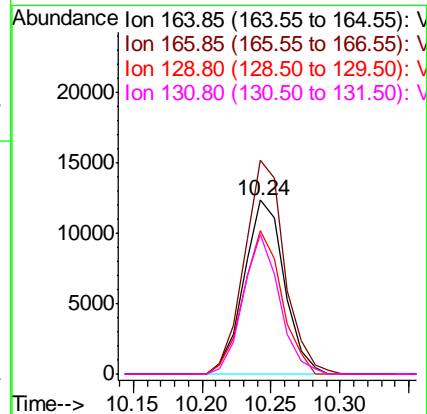
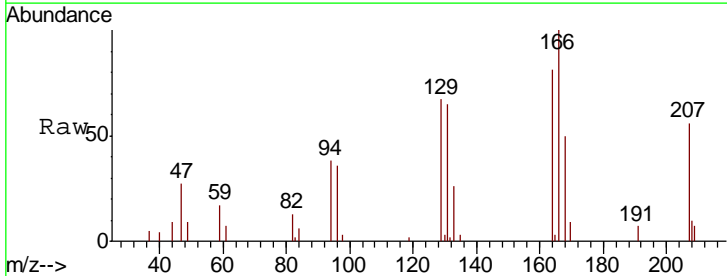
Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.7	62.5
119	33.3	26.0	39.0

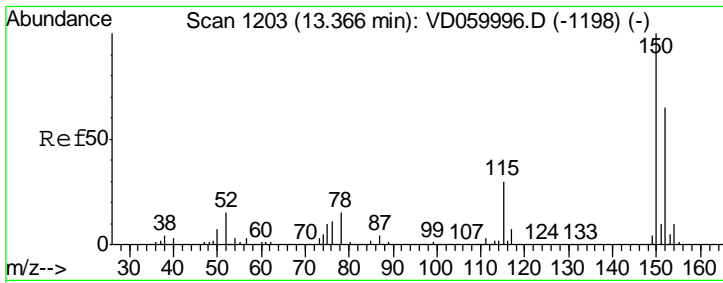


#64  
 Tetrachloroethene  
 Concen: 2.417 ug/l  
 RT: 10.24 min Scan# 886  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion:164 Resp: 25131

Ion	Ratio	Lower	Upper
164	100		
166	122.7	103.0	154.6
129	82.2	61.9	92.9
131	79.8	62.6	93.8

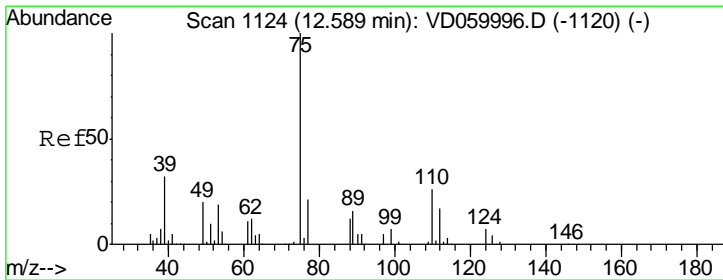
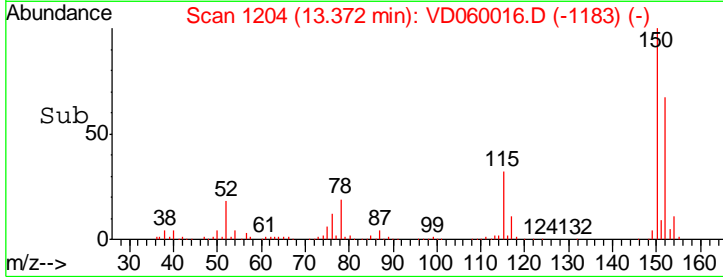
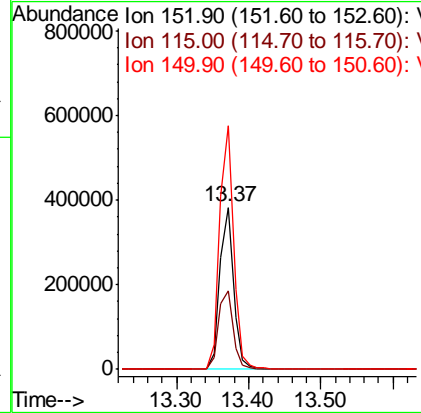
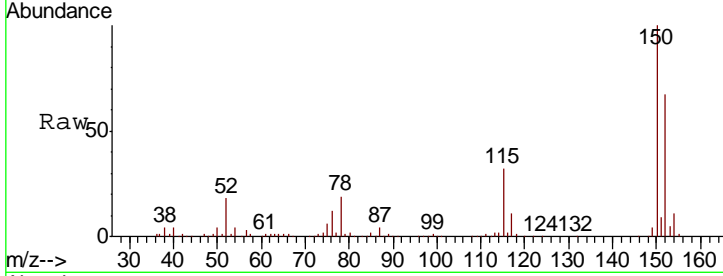




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.37 min Scan# 1204  
 Delta R.T. 0.01 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

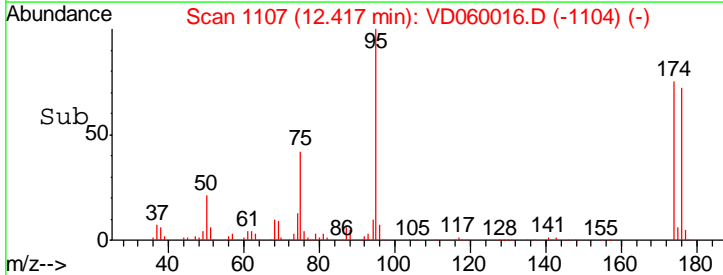
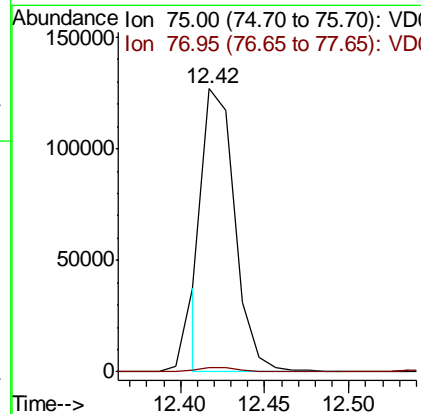
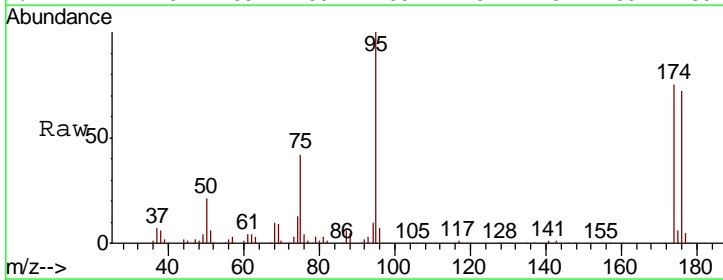
Instrument : MSVOA\_D  
 ClientSampled :

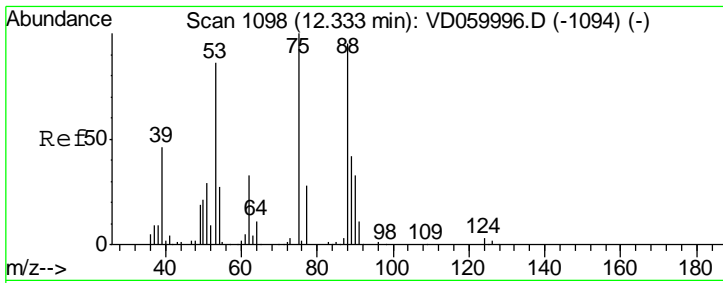
Tgt Ion	Resp	Lower	Upper
152	100		
115	48.7	24.6	73.8
150	150.1	0.0	313.4



#76  
 1,2,3-Trichloropropane  
 Concen: 22.031 ug/l  
 RT: 12.42 min Scan# 1107  
 Delta R.T. -0.17 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.4	16.4	49.4#

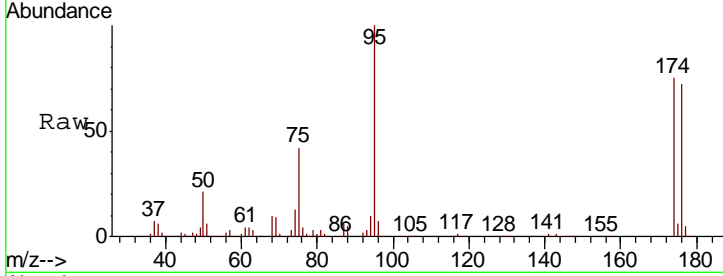




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.178 ug/l  
 RT: 12.42 min Scan# 1107  
 Delta R.T. 0.08 min  
 Lab File: VD060016.D  
 Acq: 17 Sep 2018 12:48

Instrument : MSVOA\_D  
 ClientSampled :

Tot Ion	Resp	Lower	Upper
75	192191		
53	0.0	68.4	102.6#
89	0.0	33.8	50.6#



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

