

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\  
 Data File : VD059989.D  
 Acq On : 10 Sep 2018 13:26  
 Operator : JC/SY  
 Sample : J4836-02  
 Misc : 9.56g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :

Quant Time: Sep 10 14:20:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1525190	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	2149342	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1765088	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	837160	50.00	ug/l	-0.01

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	518467	40.33	ug/l	-0.02
Spiked Amount				50.000		
				Recovery	=	80.66%
35) Dibromofluoromethane	6.31	113	635642	37.72	ug/l	-0.02
Spiked Amount				50.000		
				Recovery	=	75.44%
50) Toluene-d8	9.45	98	1821916	38.96	ug/l	-0.01
Spiked Amount				50.000		
				Recovery	=	77.92%
62) 4-Bromofluorobenzene	12.42	95	669995	35.27	ug/l	-0.01
Spiked Amount				50.000		
				Recovery	=	70.54%

## Target Compounds

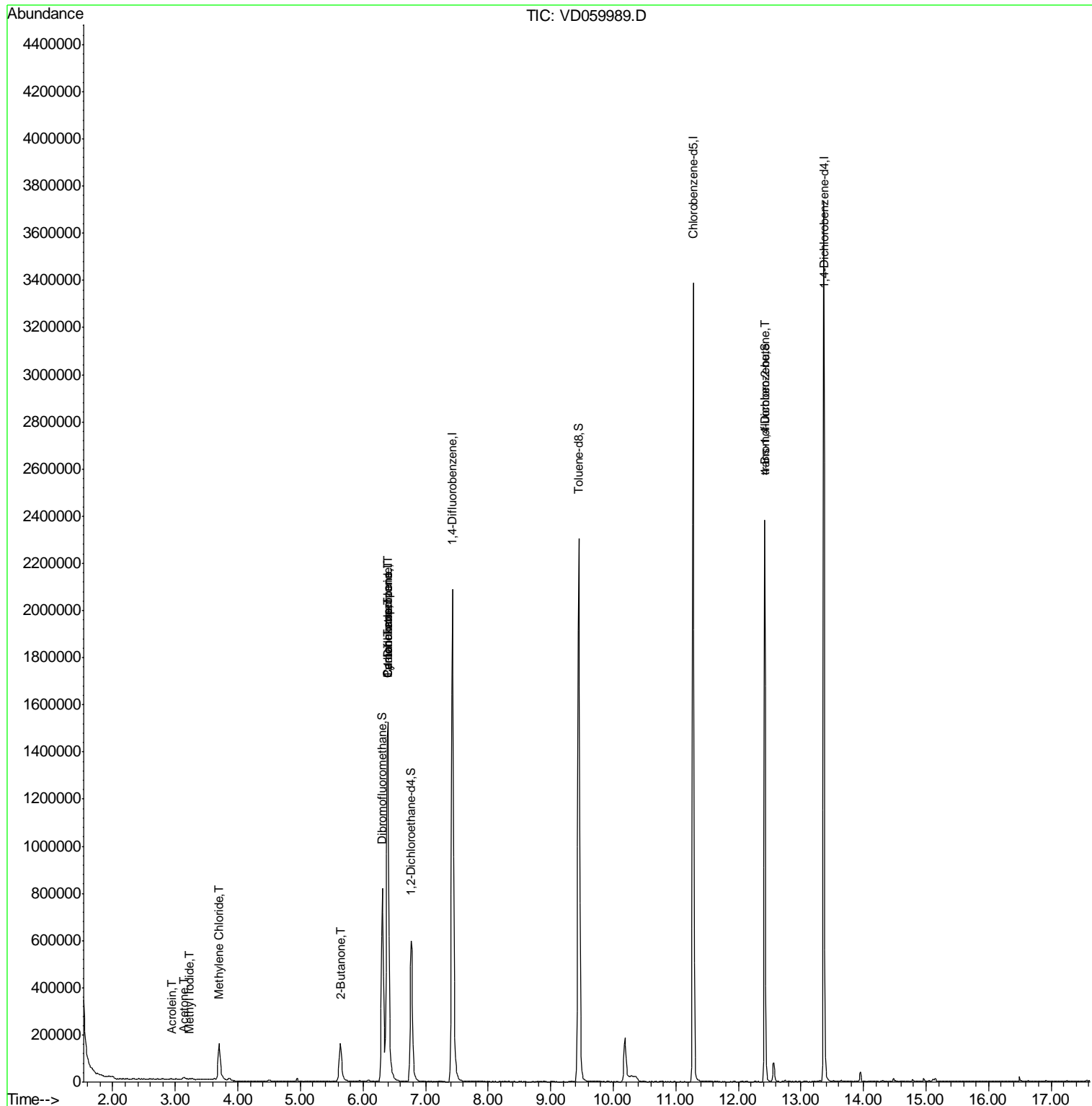
						Qvalue
10) Methyl Iodide	3.24	142	1569	3.665	ug/l #	73
13) Acrolein	2.94	56	440	1.034	ug/l #	45
16) Acetone	3.14	43	19501	8.327	ug/l #	90
20) Methylene Chloride	3.70	84	98412	2.781	ug/l	96
25) 2-Butanone	5.64	43	13017	1.877	ug/l #	82
31) Cyclohexane	6.40	56	29090	1.188	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	113352	5.818	ug/l #	47
38) Carbon Tetrachloride	6.40	117	123604	6.286	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	274148	67.735	ug/l #	12
89) n-Butylbenzene	13.64	91	1549	Below Cal	#	85

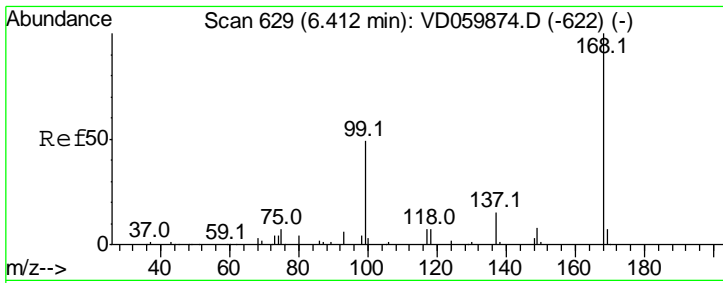
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 6 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampled :

Quant Time: Sep 10 14:20:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
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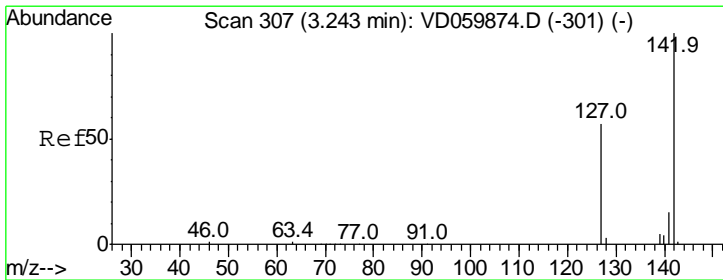
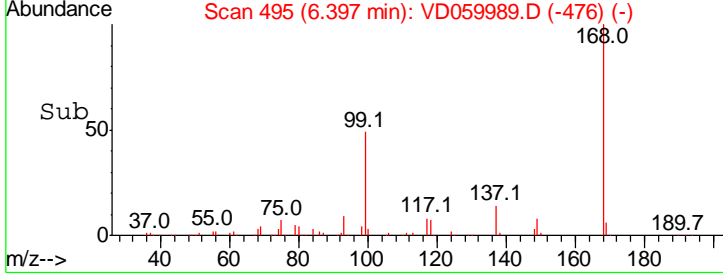
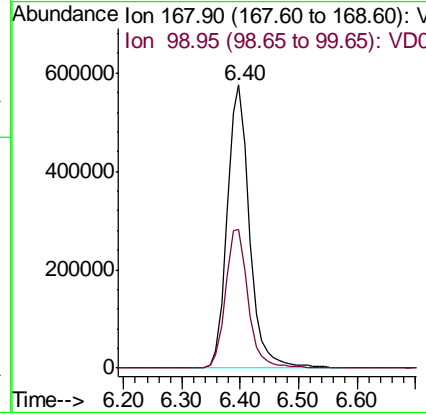
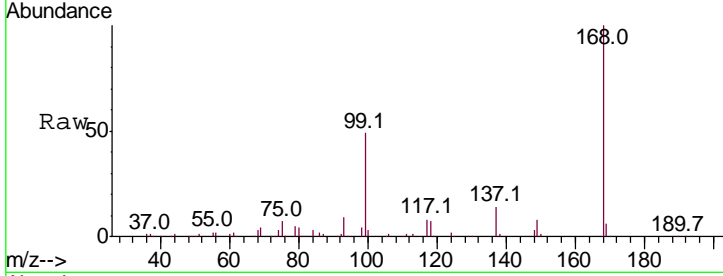


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.40 min Scan# 495  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion:168 Resp: 1525190

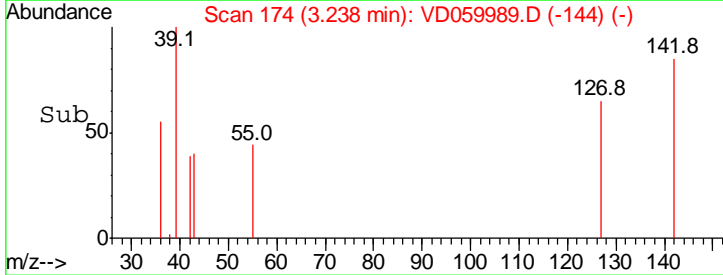
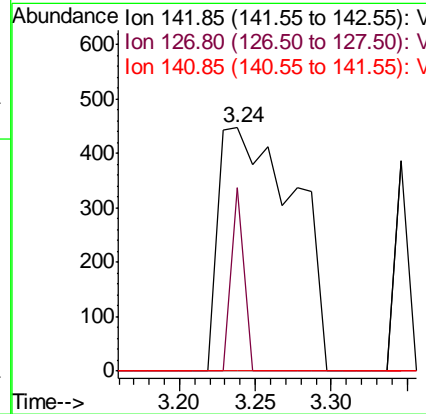
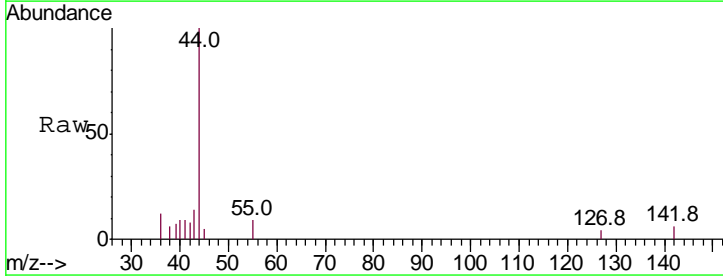
Ion	Ratio	Lower	Upper
168	100		
99	48.8	42.2	63.2

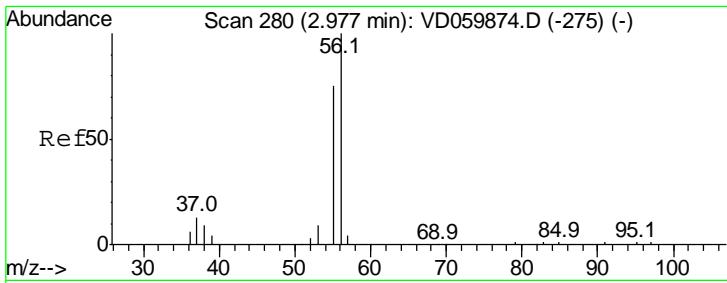


#10  
 Methyl Iodide  
 Concen: 3.665 ug/l  
 RT: 3.24 min Scan# 174  
 Delta R.T. -0.00 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion:142 Resp: 1569

Ion	Ratio	Lower	Upper
142	100		
127	75.6	45.8	68.6#
141	0.0	11.6	17.4#

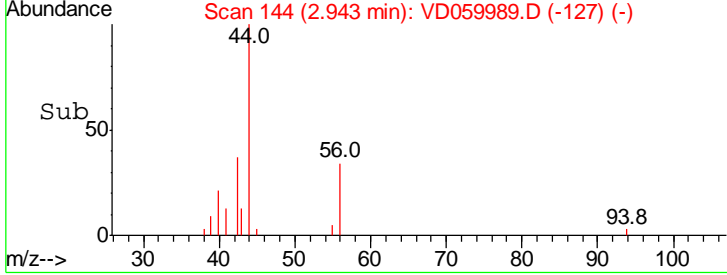
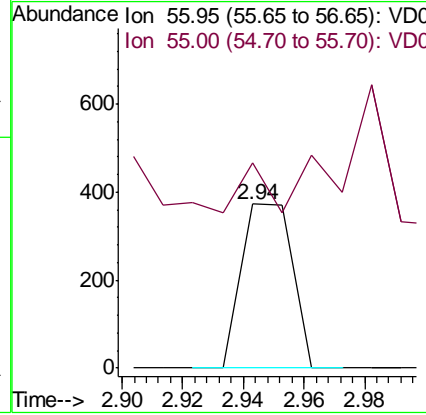
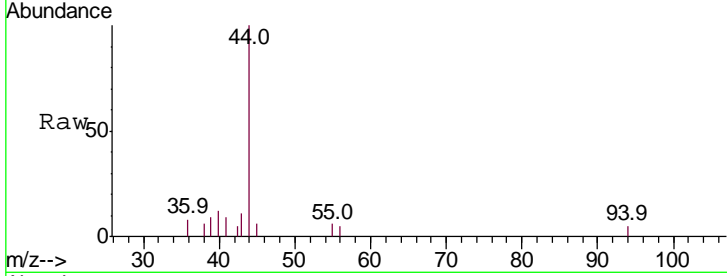




#13  
 Acrolein  
 Concen: 1.034 ug/l  
 RT: 2.94 min Scan# 144  
 Delta R.T. -0.03 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

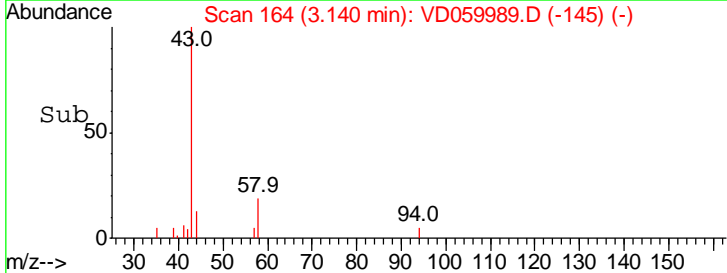
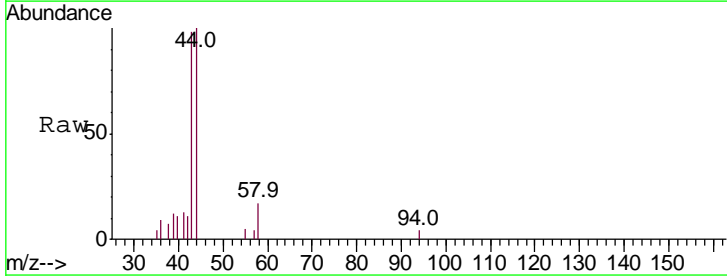
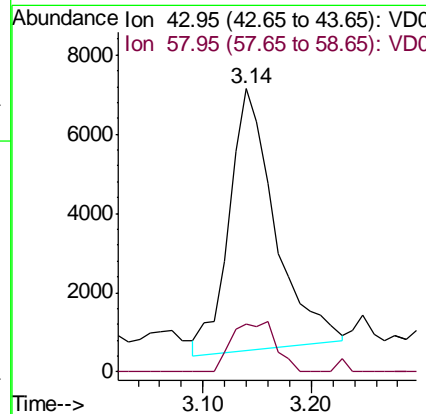
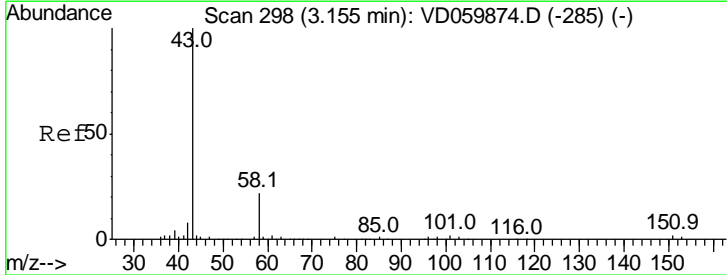
Instrument : MSVOA\_D  
 ClientSampled :

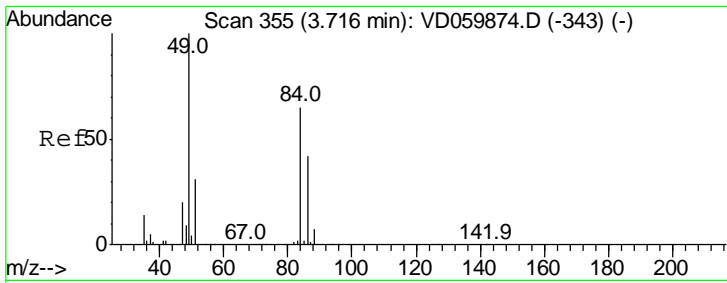
Tgt Ion: 56 Resp: 440  
 Ion Ratio Lower Upper  
 56 100  
 55 125.5 61.9 92.9#



#16  
 Acetone  
 Concen: 8.327 ug/l  
 RT: 3.14 min Scan# 164  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion: 43 Resp: 19501  
 Ion Ratio Lower Upper  
 43 100  
 58 17.0 17.6 26.4#

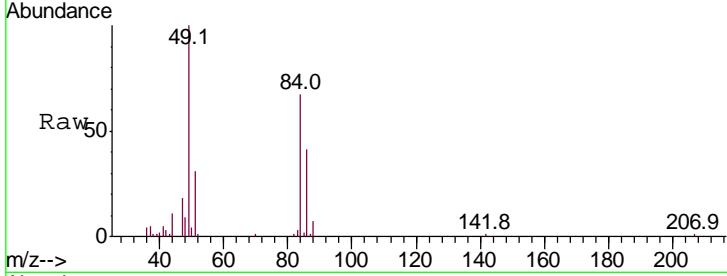




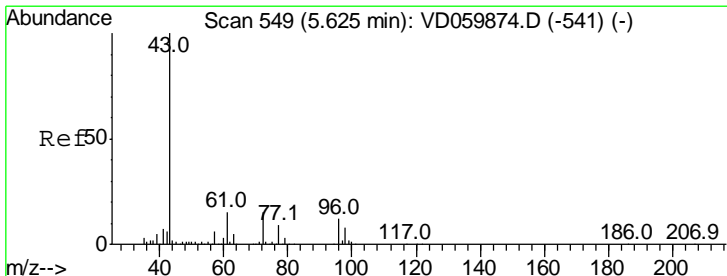
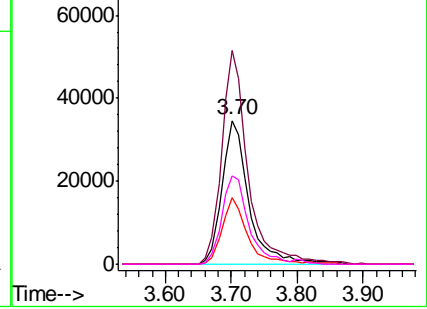
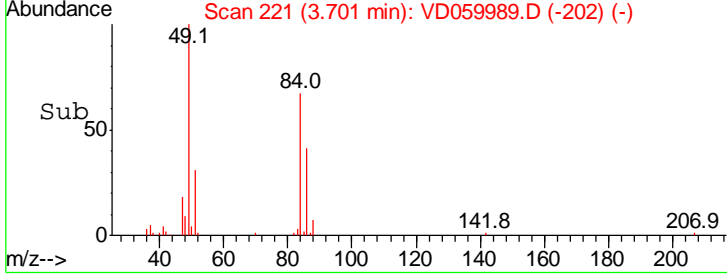
#20  
 Methylene Chloride  
 Concen: 2.781 ug/l  
 RT: 3.70 min Scan# 221  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Instrument : MSVOA\_D  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
84	100		
49	148.3	122.6	183.8
51	46.2	38.4	57.6
86	61.0	51.5	77.3

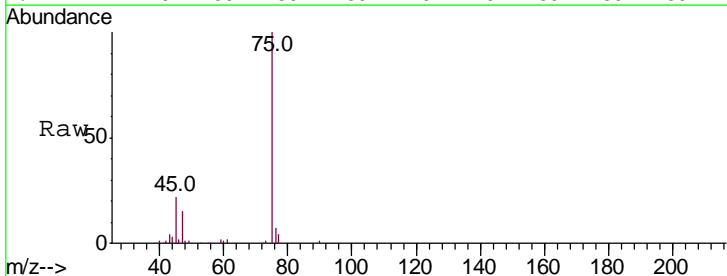


Abundance Ion 83.95 (83.65 to 84.65): VDC  
 Ion 48.90 (48.60 to 49.60): VDC  
 Ion 50.90 (50.60 to 51.60): VDC  
 Ion 85.90 (85.60 to 86.60): VDC

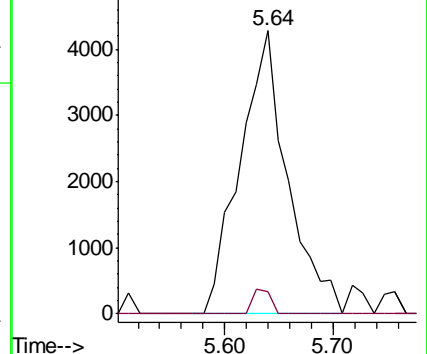
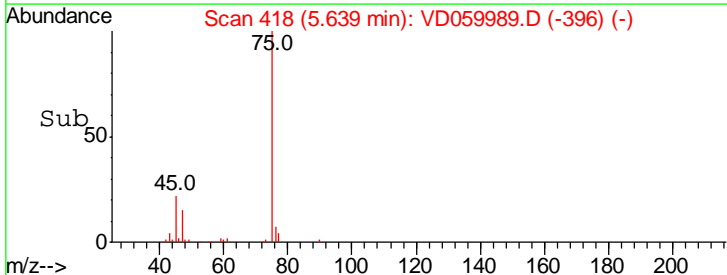


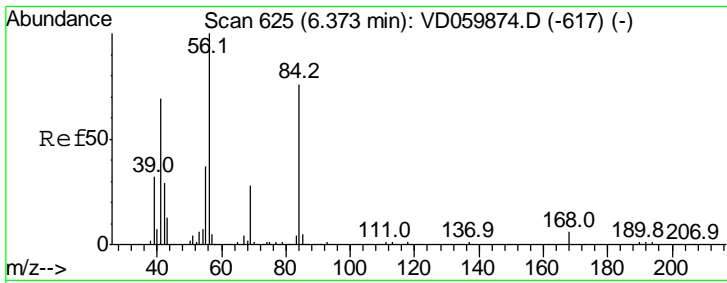
#25  
 2-Butanone  
 Concen: 1.877 ug/l  
 RT: 5.64 min Scan# 418  
 Delta R.T. 0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion	Resp	Lower	Upper
43	100		
72	7.7	12.3	18.5#



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

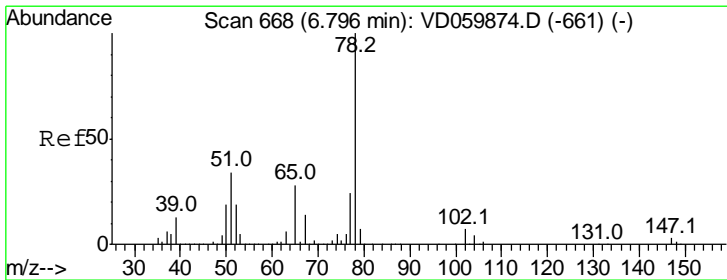
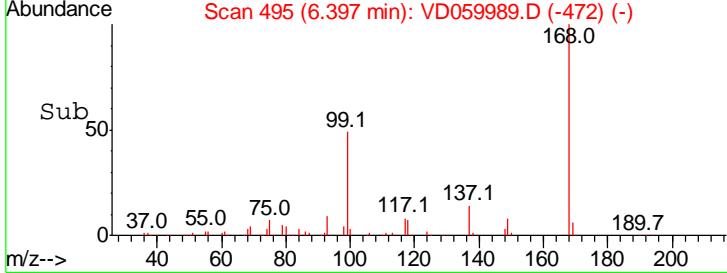
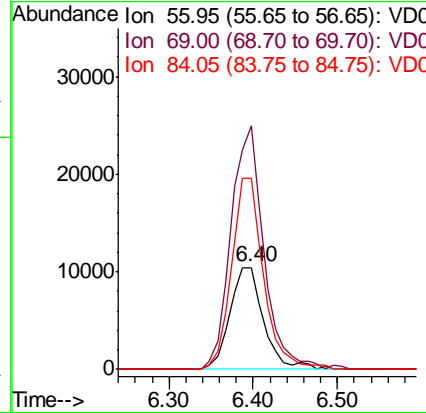
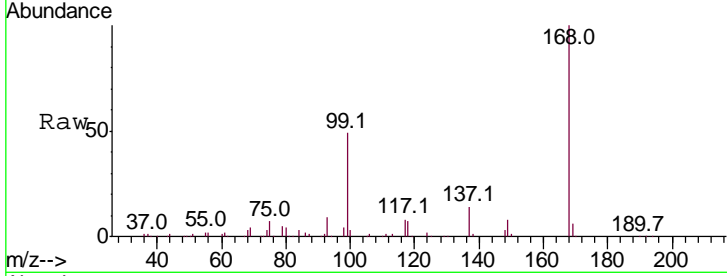




#31  
 Cyclohexane  
 Concen: 1.188 ug/l  
 RT: 6.40 min Scan# 495  
 Delta R.T. 0.02 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

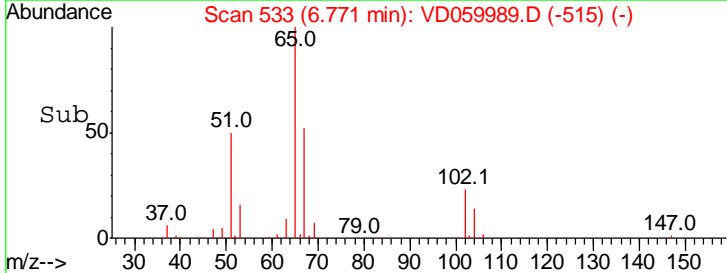
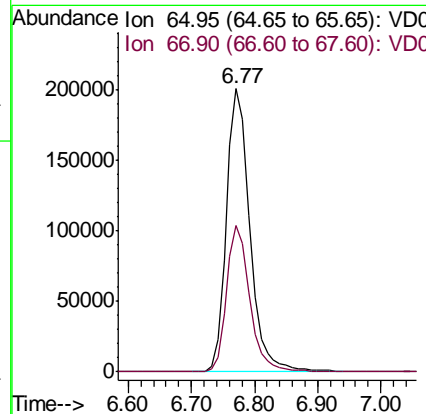
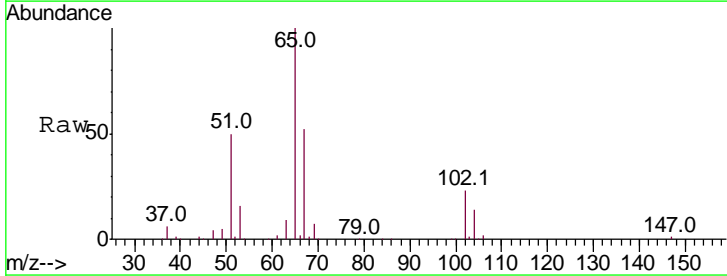
Instrument :  
 MSVOA\_D  
 ClientSampled :

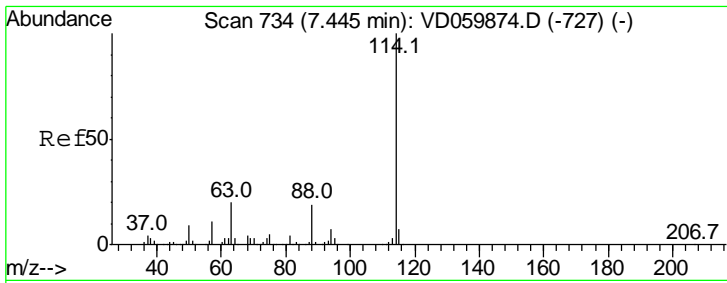
Tgt Ion	Resp	Lower	Upper
56	100		
69	238.3	22.4	33.6#
84	186.5	62.1	93.1#



#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.77 min Scan# 533  
 Delta R.T. -0.02 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.8	0.0	103.8

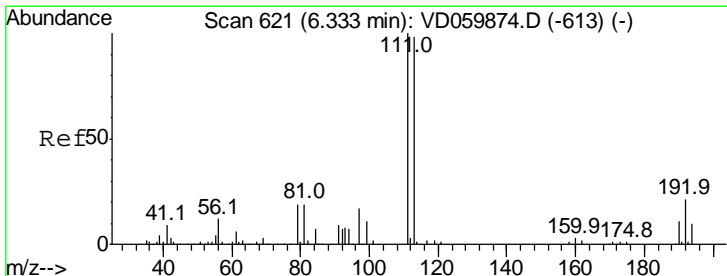
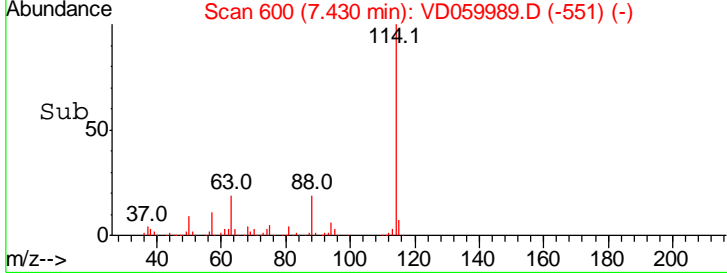
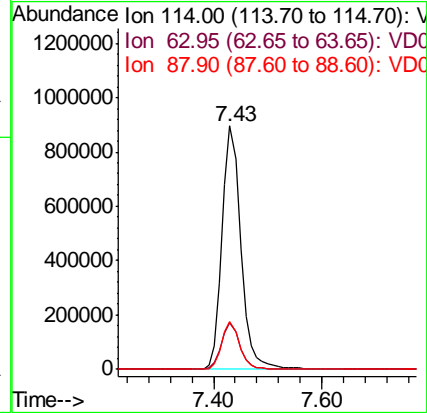
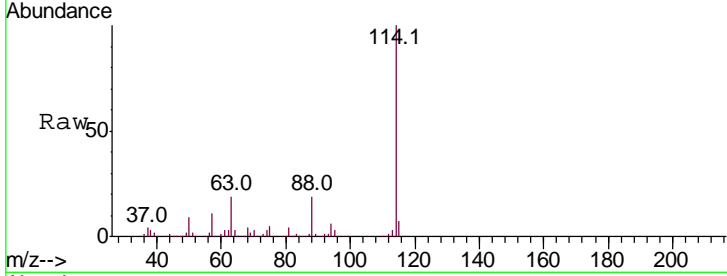




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.43 min Scan# 600  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

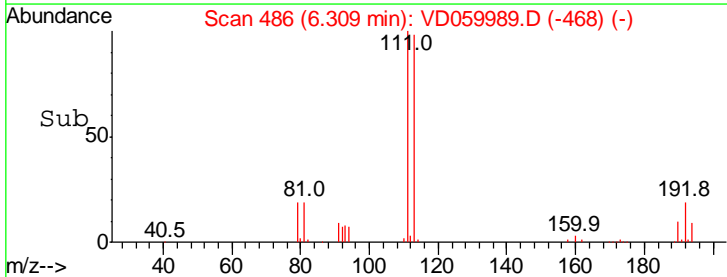
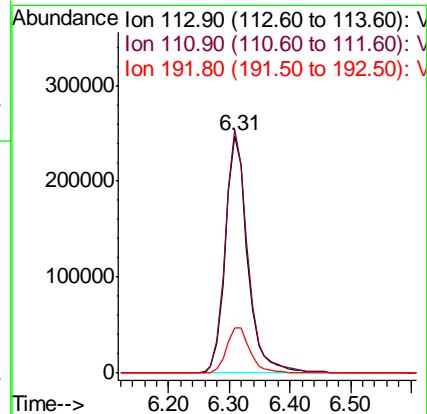
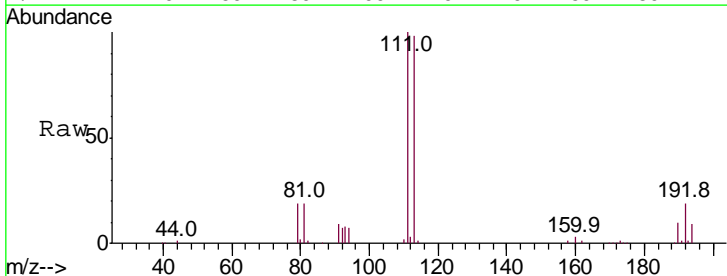
Instrument :  
 MSVOA\_D  
 ClientSampled :

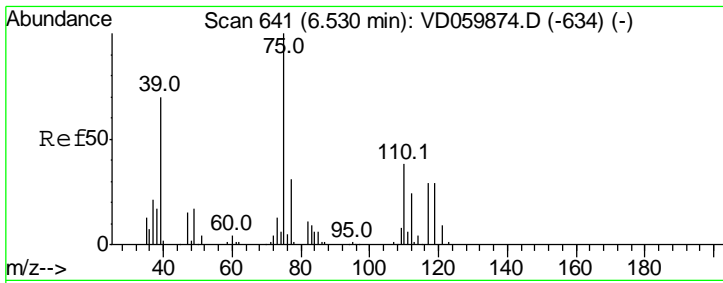
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.1	0.0	39.4
88	19.4	0.0	37.6



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.31 min Scan# 486  
 Delta R.T. -0.02 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	18.9	17.0	25.6

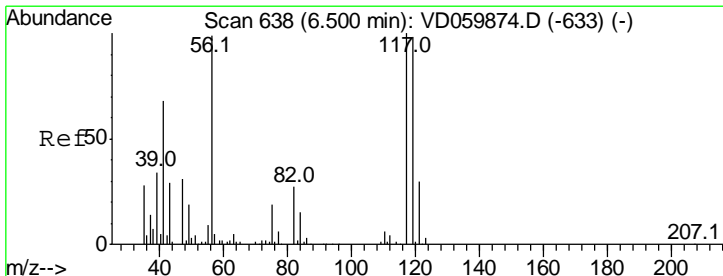
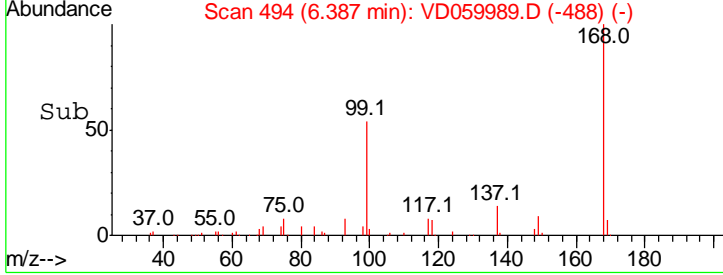
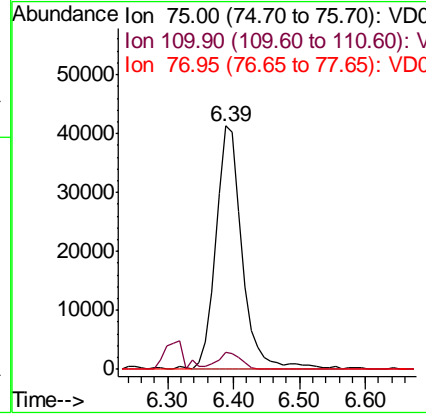
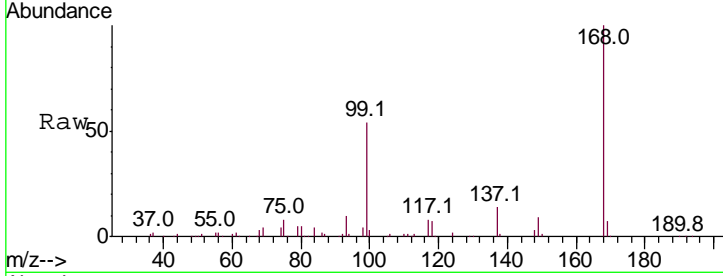




#36  
 1,1-Dichloropropene  
 Concen: 5.818 ug/l  
 RT: 6.39 min Scan# 494  
 Delta R.T. -0.14 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

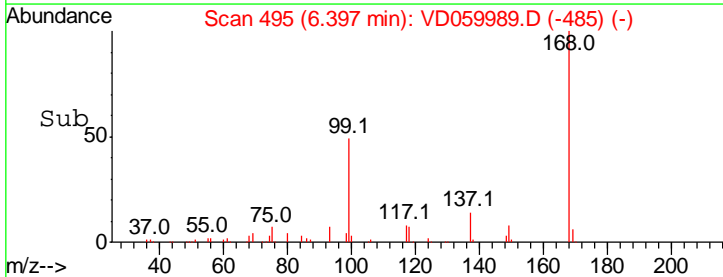
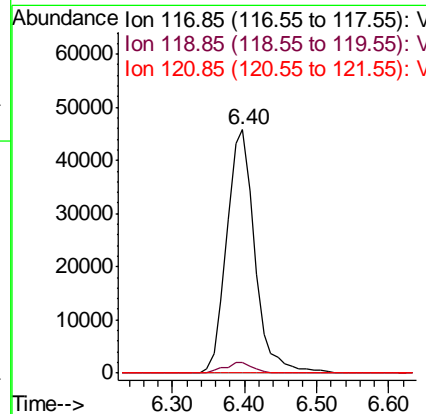
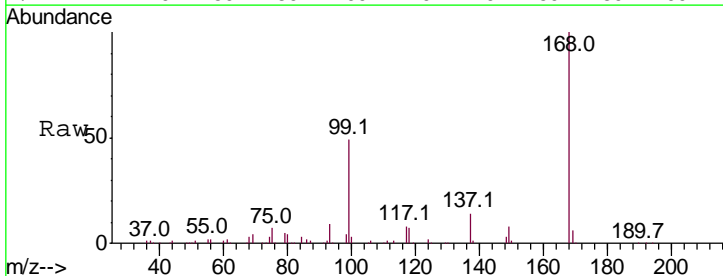
Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	113352		
110	7.1	18.6	56.0#
77	0.0	25.1	37.7#

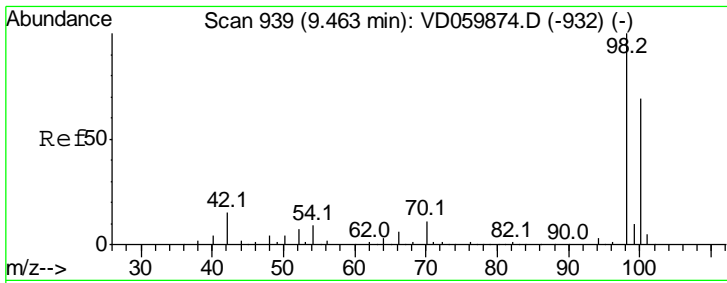


#38  
 Carbon Tetrachloride  
 Concen: 6.286 ug/l  
 RT: 6.40 min Scan# 495  
 Delta R.T. -0.10 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion	Resp	Lower	Upper
117	123604		
119	4.5	77.2	115.8#
121	0.0	24.0	36.0#



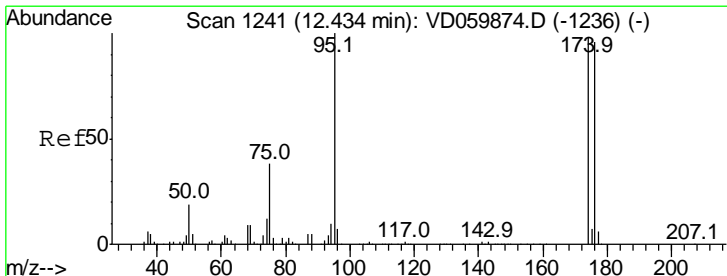
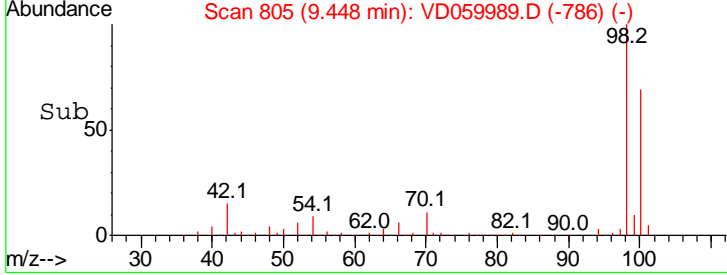
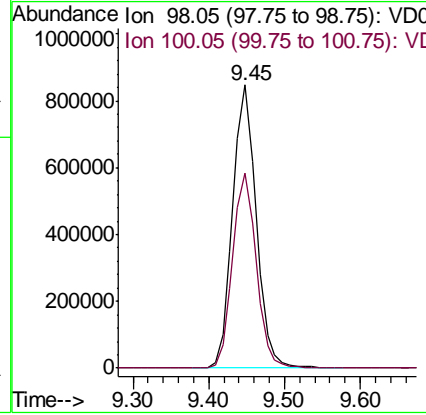
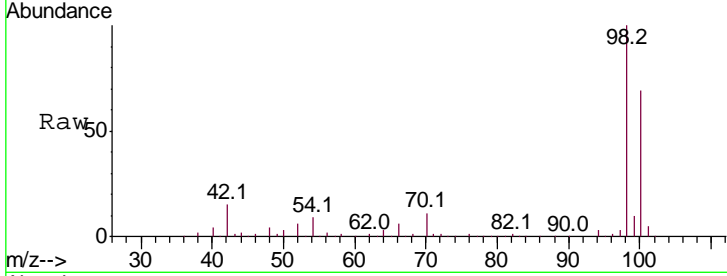




#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 9.45 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

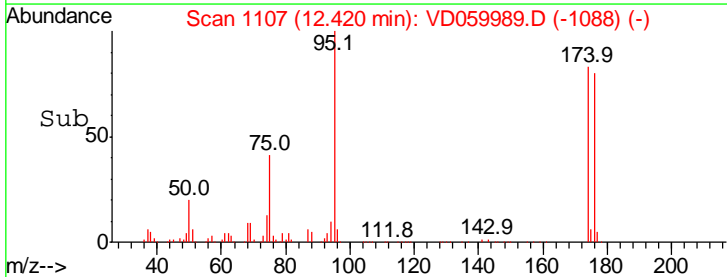
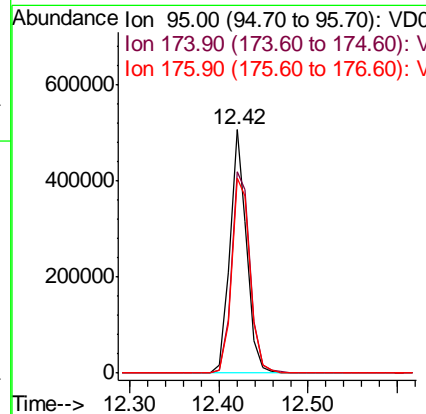
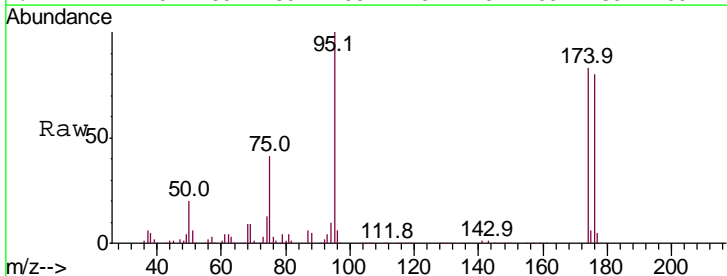
Instrument :  
 MSVOA\_D  
 ClientSampled :

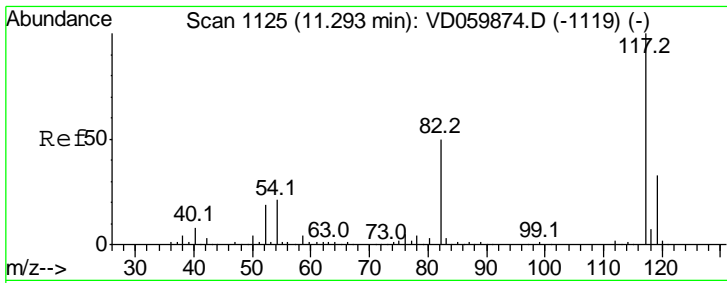
Tot Ion: 98 Resp: 1821916  
 Ion Ratio Lower Upper  
 98 100  
 100 68.7 55.8 83.6



#62  
 4-Bromofluorobenzene  
 Concen: N.D. ug/l  
 RT: 12.42 min Scan# 1107  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion: 95 Resp: 669995  
 Ion Ratio Lower Upper  
 95 100  
 174 82.5 0.0 195.6  
 176 79.9 0.0 191.2



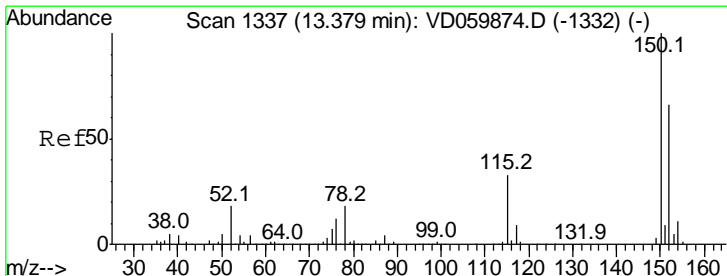
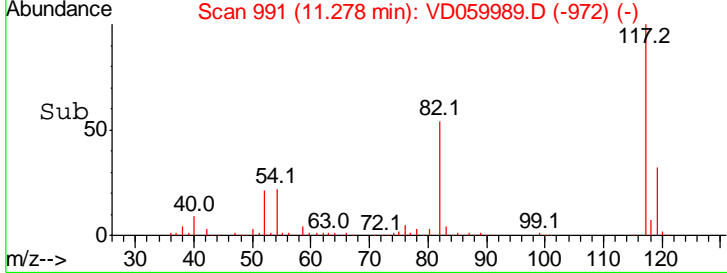
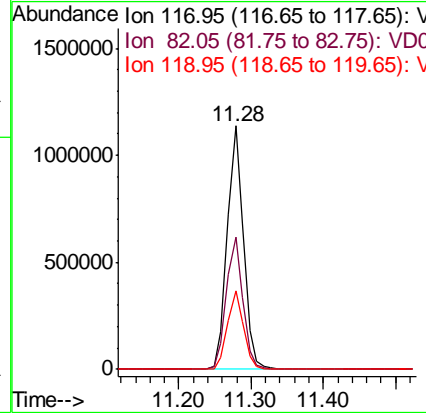
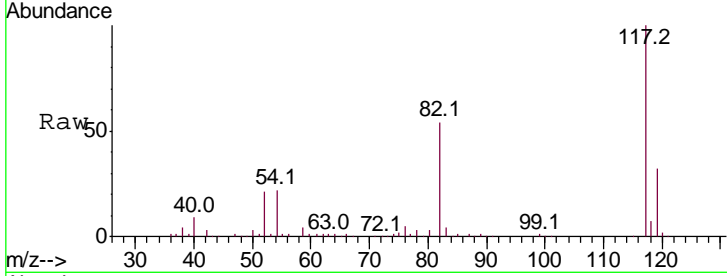


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.28 min Scan# 991  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion:117 Resp: 1765088

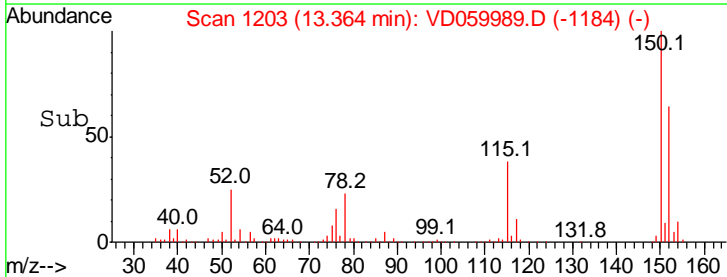
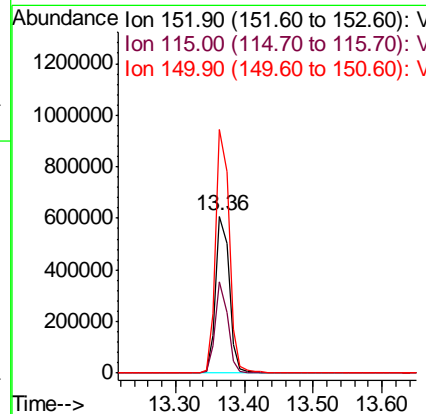
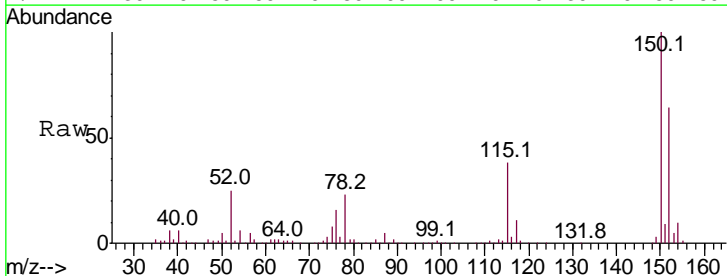
Ion	Ratio	Lower	Upper
117	100		
82	54.2	40.1	60.1
119	32.4	26.7	40.1

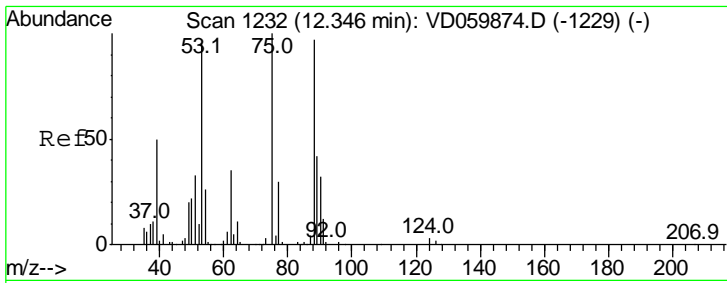


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.36 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Tgt Ion:152 Resp: 837160

Ion	Ratio	Lower	Upper
152	100		
115	58.3	25.7	77.0
150	155.1	0.0	310.2





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.735 ug/l  
 RT: 12.42 min Scan# 1107  
 Delta R.T. 0.07 min  
 Lab File: VD059989.D  
 Acq: 10 Sep 2018 13:26

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tot Ion	Resp	Lower	Upper
75	274148		
53	0.0	75.8	113.6#
89	0.0	33.6	50.4#

