

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX083119\  
 Data File : VX011954.D  
 Acq On : 31 Aug 2019 16:47  
 Operator : SY/SP  
 Sample : K4516-19  
 Misc : 4.96g/5.0mL/MSVOA\_X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-S-D-(2.5)

Quant Time: Sep 01 01:51:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 01:59:05 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	426151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	552124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	456784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	194001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	175231	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
35) Dibromofluoromethane	5.48	113	164294	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	8.71	98	617350	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.14	95	201328	36.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.52%	

Target Compounds

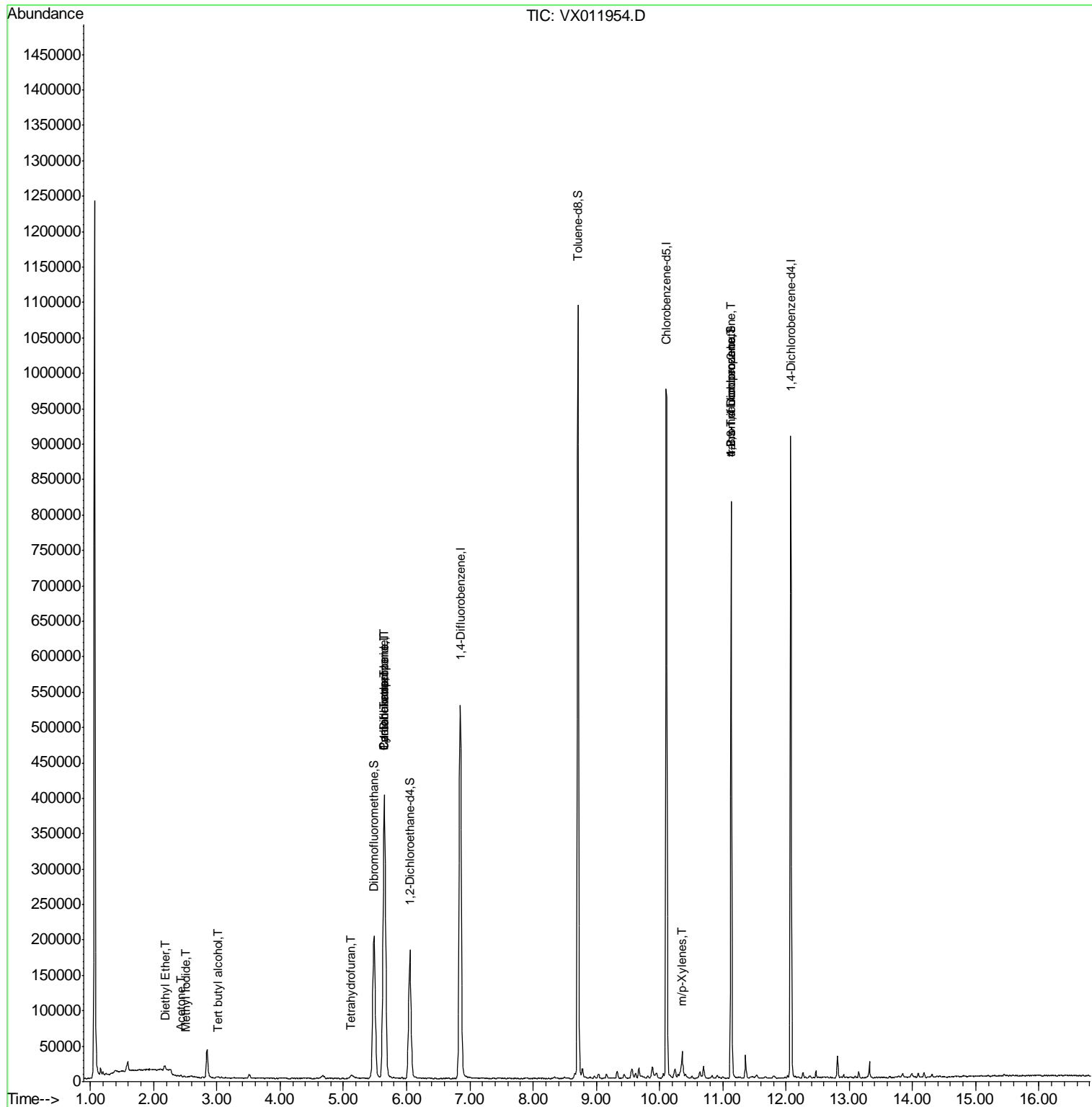
						Qvalue
8) Diethyl Ether	2.17	74	2720	1.601	ug/l	83
10) Methyl Iodide	2.50	142	347	3.767	ug/l #	50
11) Tert butyl alcohol	3.03	59	1761	4.483	ug/l #	84
16) Acetone	2.43	43	2416	2.750	ug/l #	81
29) Tetrahydrofuran	5.13	42	5410	6.774	ug/l	96
31) Cyclohexane	5.64	56	6769	1.328	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	25672	5.869	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35669	7.031	ug/l #	15
68) m/p-Xylenes	10.35	106	7671	1.319	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	100183	52.496	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	100183	131.879	ug/l #	11

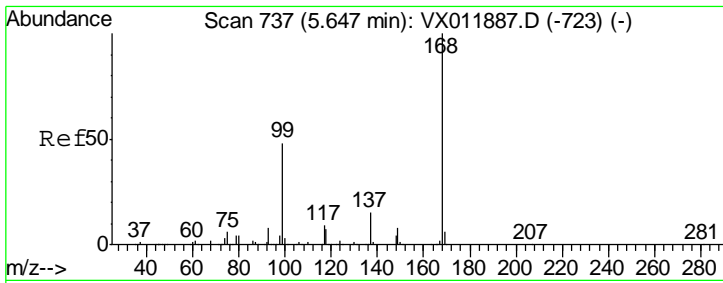
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Client Sampled :  
 T2-S-D-(2.5)

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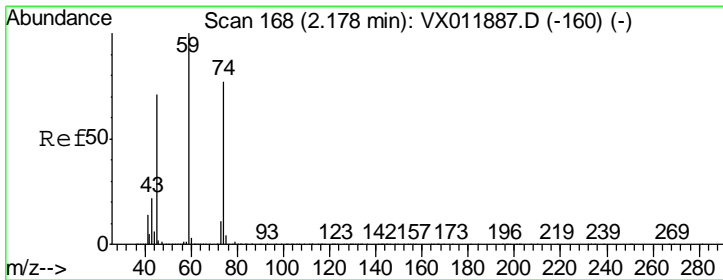
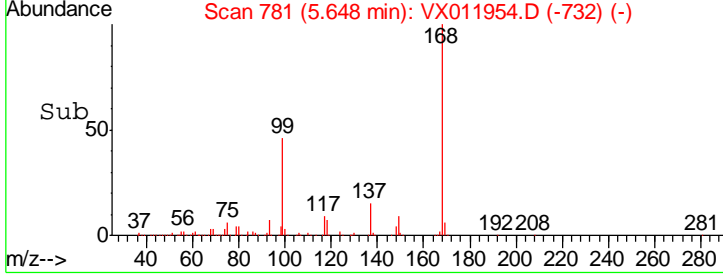
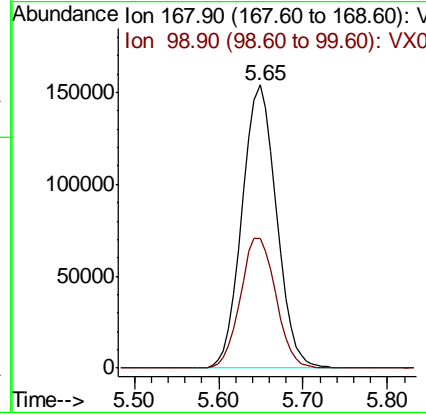
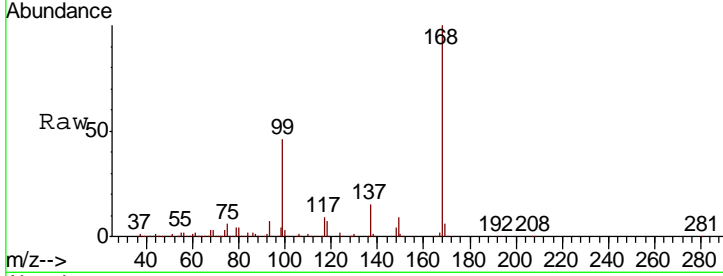




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

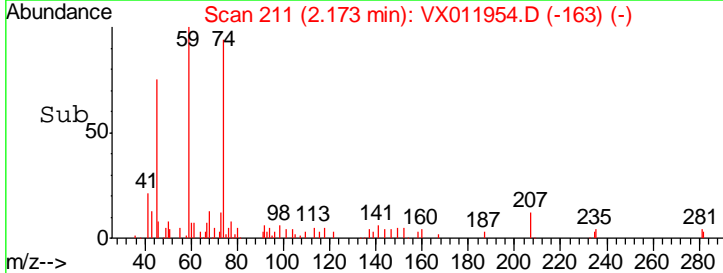
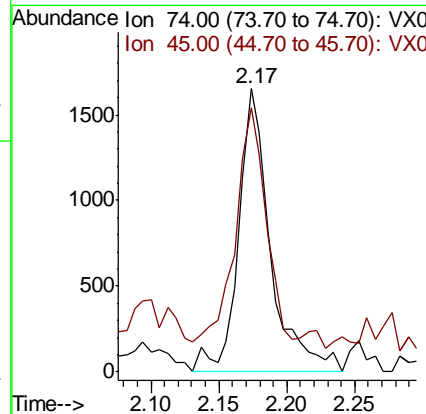
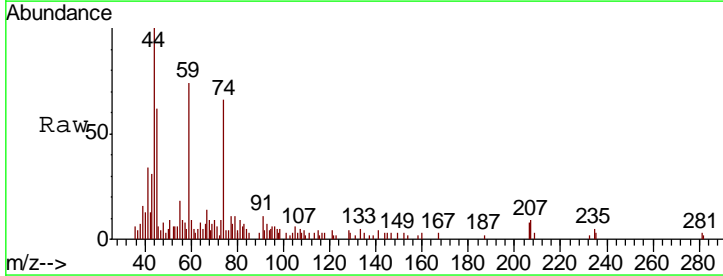
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 T2-S-D-(2.5)

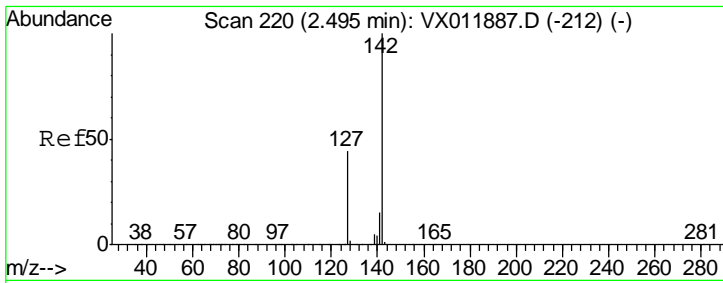
Tgt Ion	Resp	Lower	Upper
168	100		
99	45.9	38.4	57.6



#8  
 Diethyl Ether  
 Concen: 1.601 ug/l  
 RT: 2.17 min Scan# 211  
 Delta R.T. -0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
74	100		
45	77.5	46.7	140.1

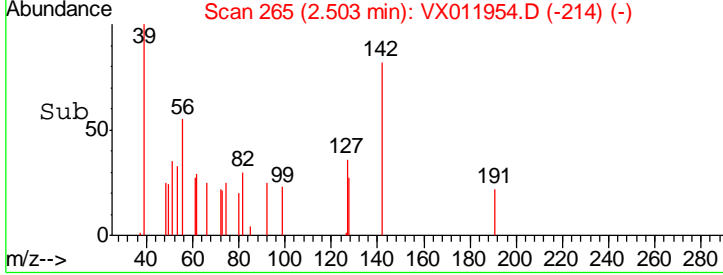
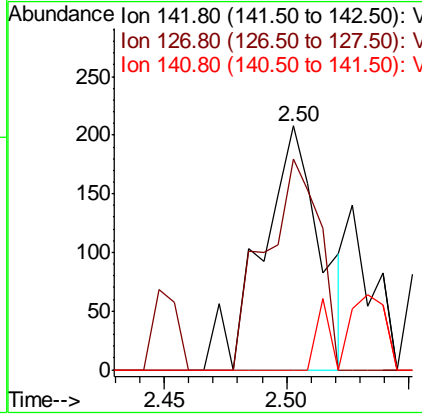
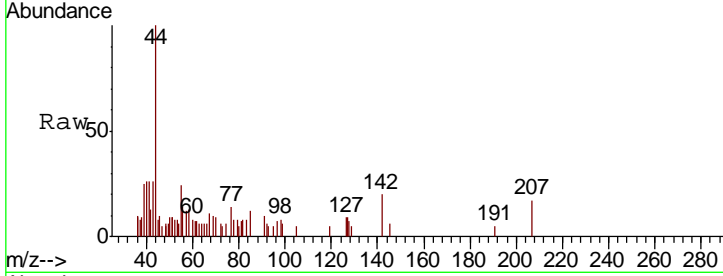




#10  
 Methyl Iodide  
 Concen: 3.767 ug/l  
 RT: 2.50 min Scan# 265  
 Delta R.T. 0.01 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

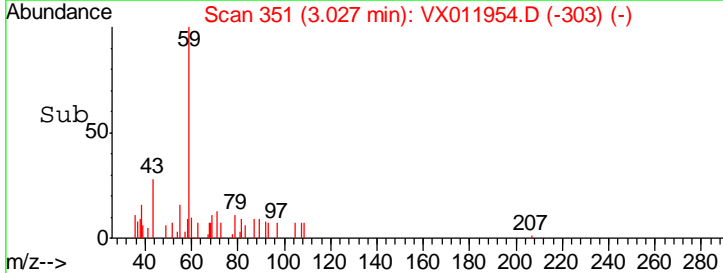
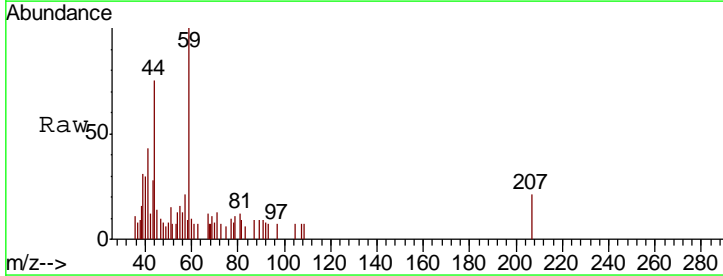
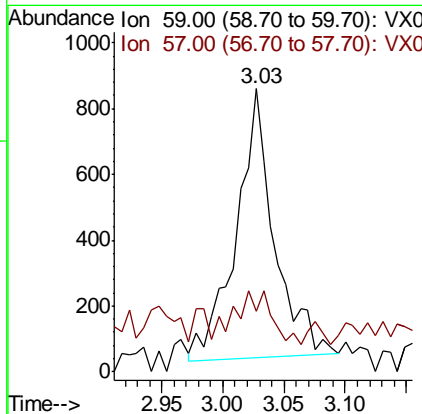
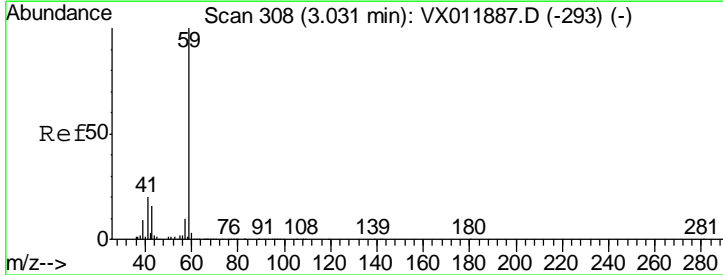
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 T2-S-D-(2.5)

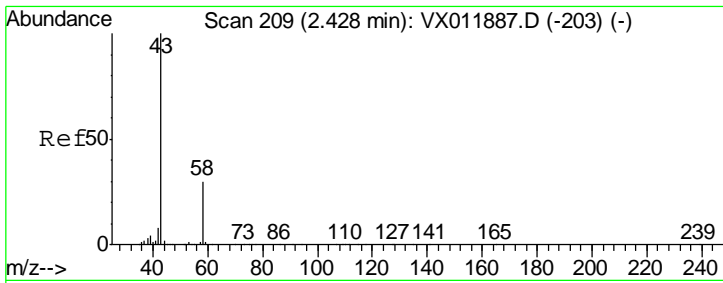
Tgt Ion	Resp	Lower	Upper
142	100		
127	80.1	35.7	53.5#
141	0.0	11.8	17.6#



#11  
 Tert butyl alcohol  
 Concen: 4.483 ug/l  
 RT: 3.03 min Scan# 351  
 Delta R.T. -0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
59	100		
57	16.9	8.6	12.8#

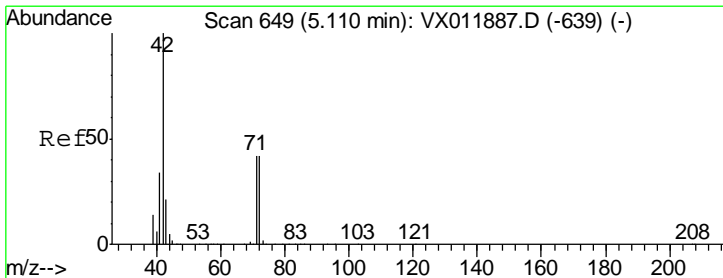
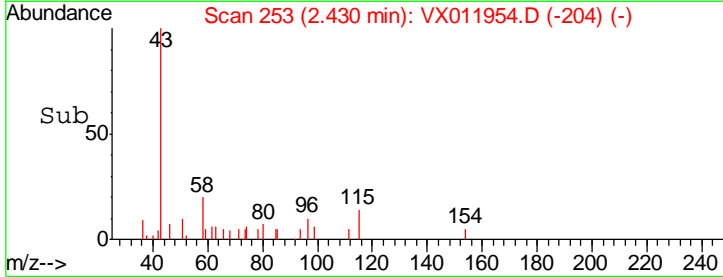
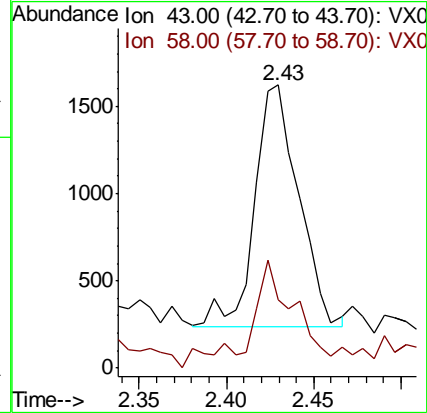
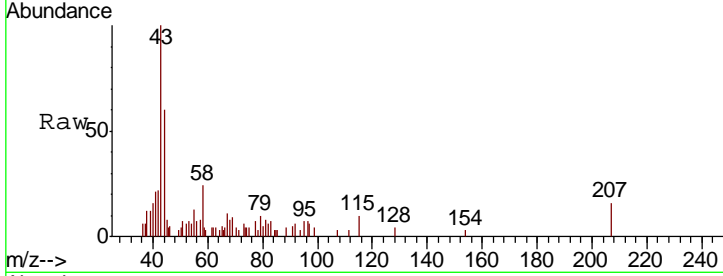




#16  
 Acetone  
 Concen: 2.750 ug/l  
 RT: 2.43 min Scan# 253  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

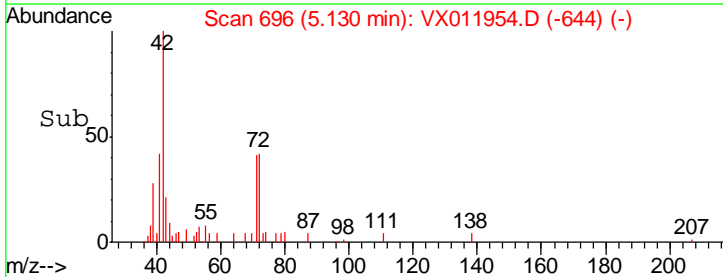
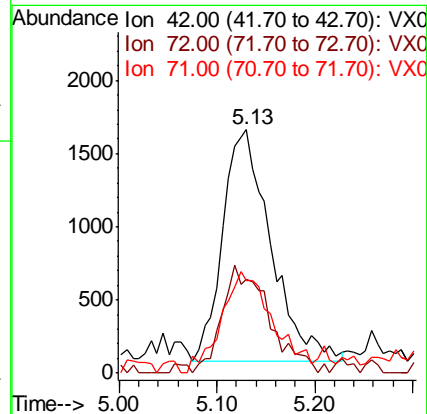
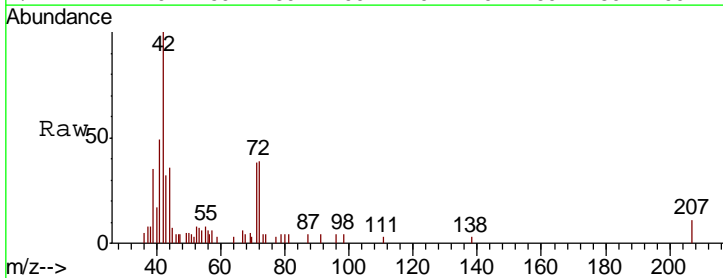
Instrument : MSVOA\_X  
 ClientSampled : T2-S-D-(2.5)

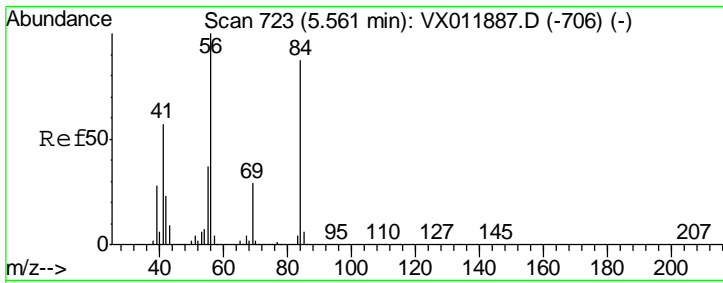
Tgt Ion	Resp	Lower	Upper
43	2416		
58	19.8	23.8	35.8#



#29  
 Tetrahydrofuran  
 Concen: 6.774 ug/l  
 RT: 5.13 min Scan# 696  
 Delta R.T. 0.02 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
42	5410		
72	45.0	36.2	54.4
71	46.7	33.1	49.7

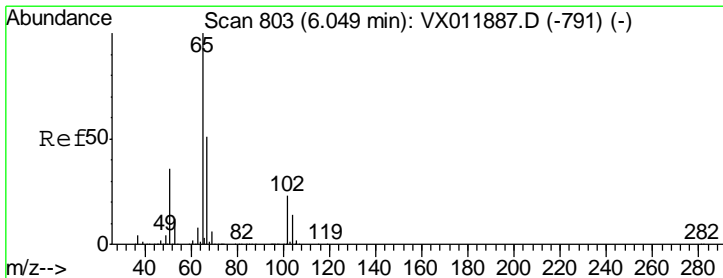
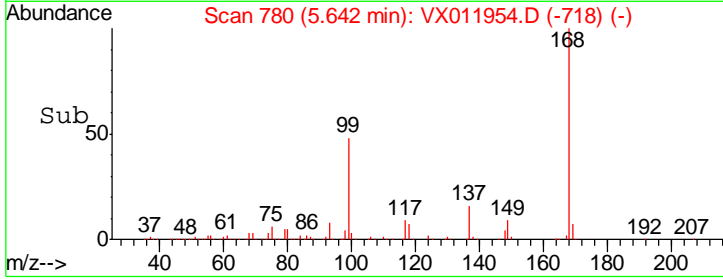
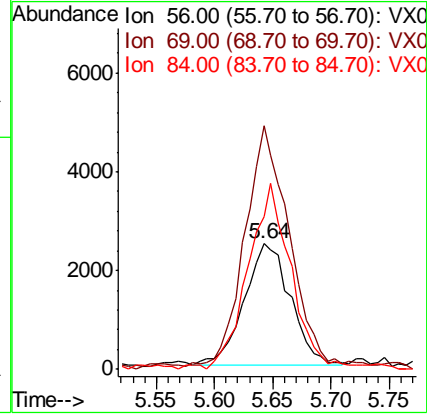
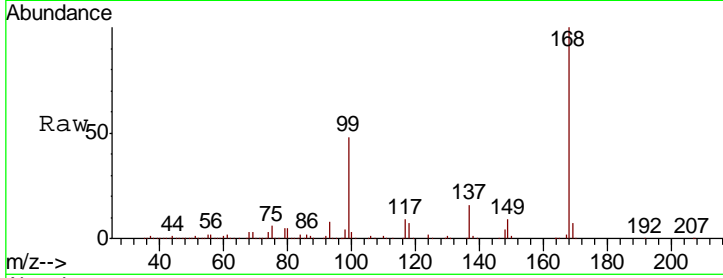




#31  
 Cyclohexane  
 Concen: 1.328 ug/l  
 RT: 5.64 min Scan# 780  
 Delta R.T. 0.08 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

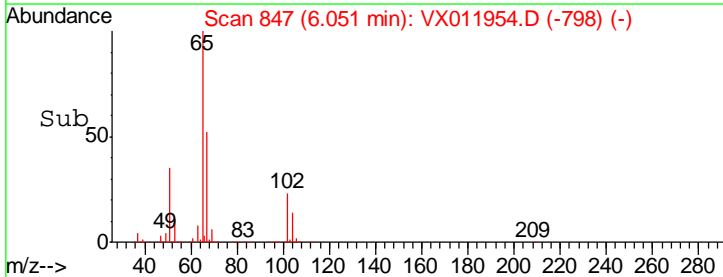
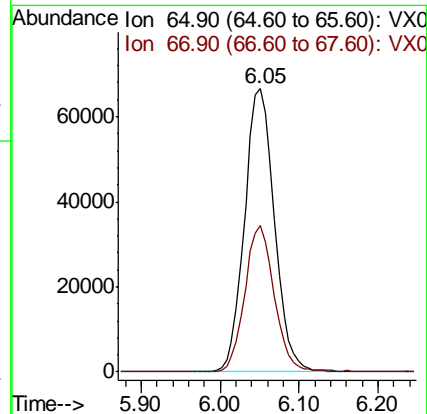
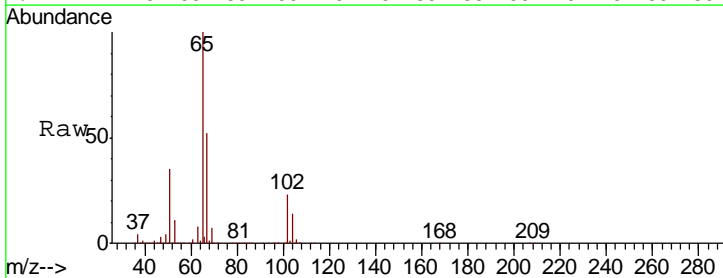
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 T2-S-D-(2.5)

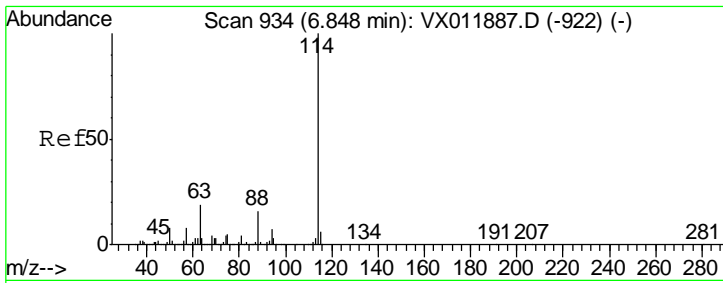
Tgt Ion	Resp	Lower	Upper
56	100		
69	196.5	23.1	34.7#
84	122.6	69.6	104.4#



#33  
 1,2-Dichloroethane-d4  
 Concen: 42.918 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.1	0.0	102.2

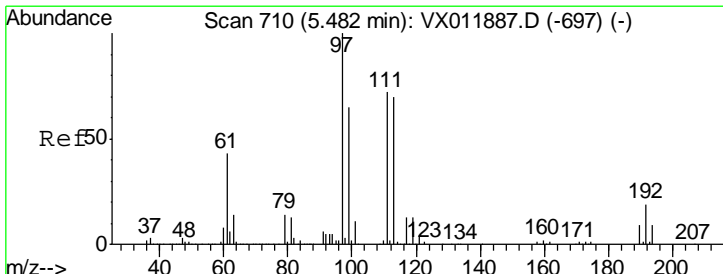
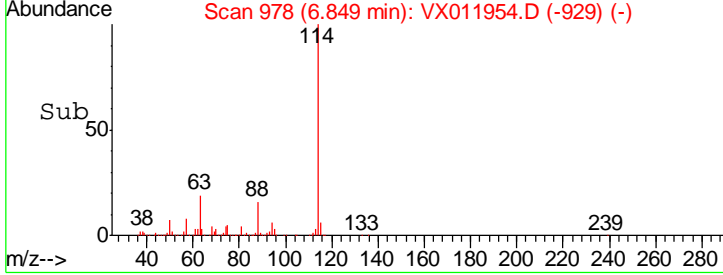
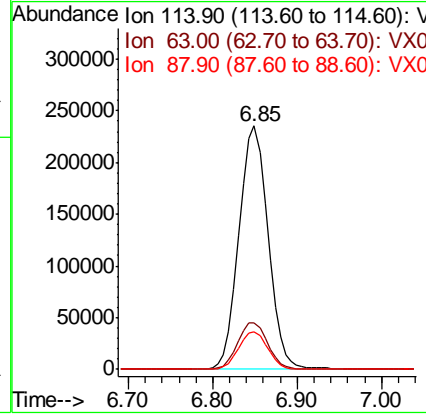
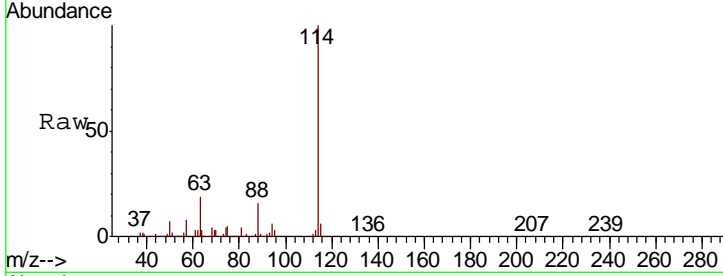




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

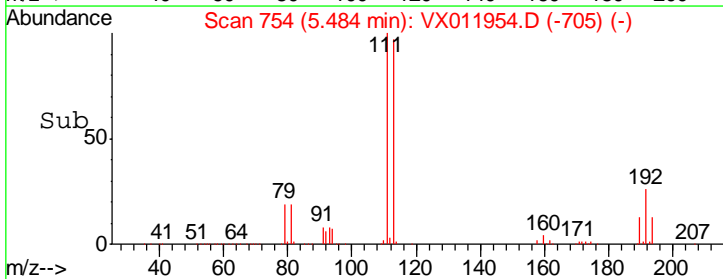
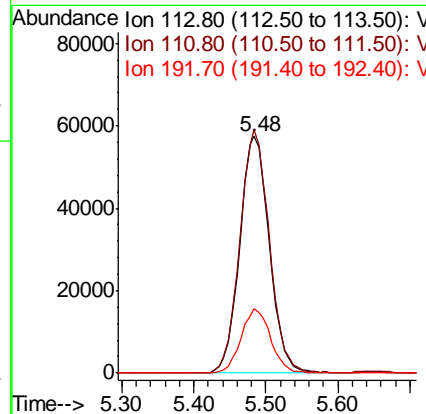
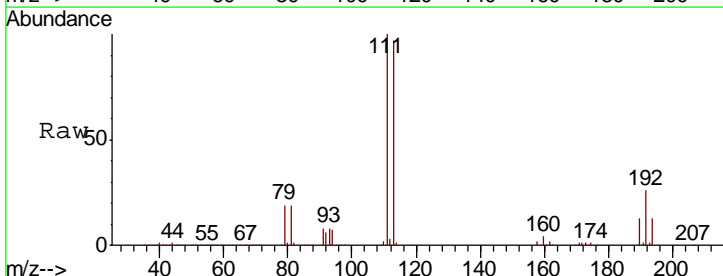
Instrument : MSVOA\_X  
 ClientSampled : T2-S-D-(2.5)

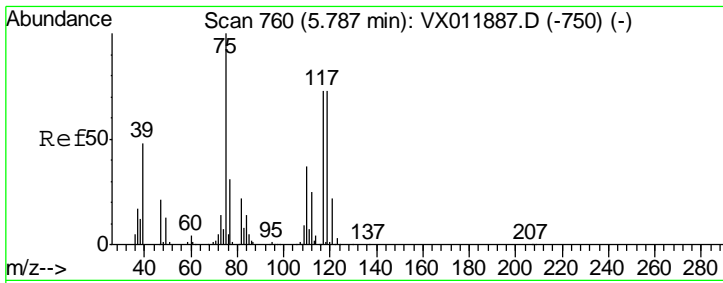
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.1	0.0	38.8
88	15.6	0.0	31.2



#35  
 Dibromofluoromethane  
 Concen: 46.405 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.9	82.1	123.1
192	26.9	21.5	32.3

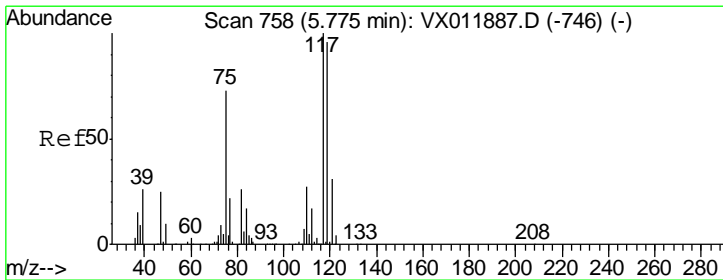
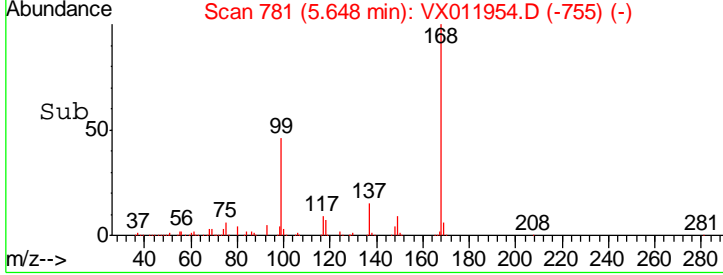
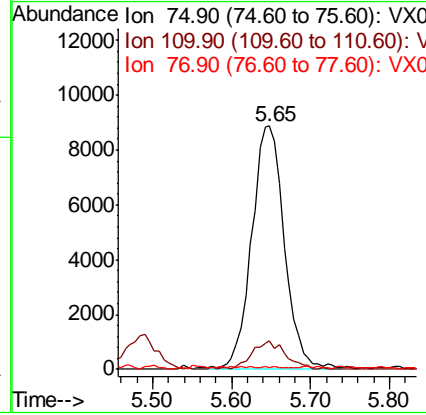
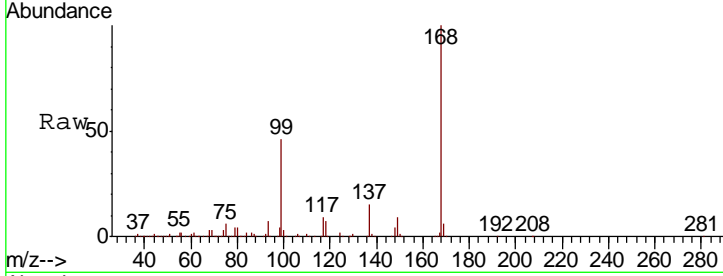




#36  
 1,1-Dichloropropene  
 Concen: 5.869 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.14 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

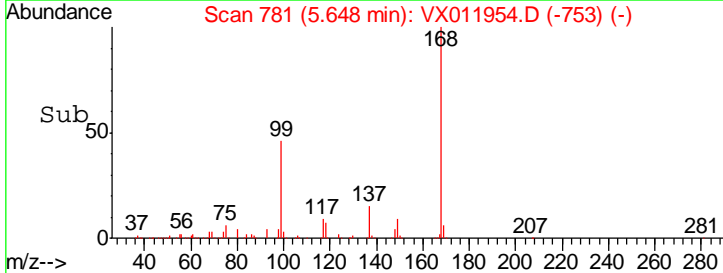
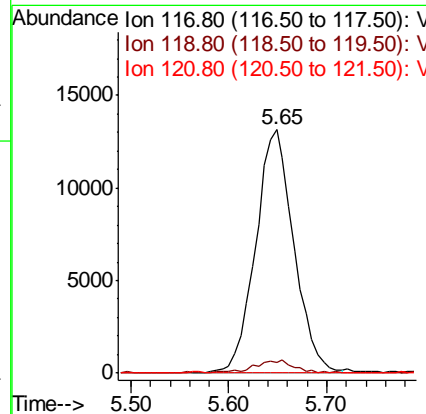
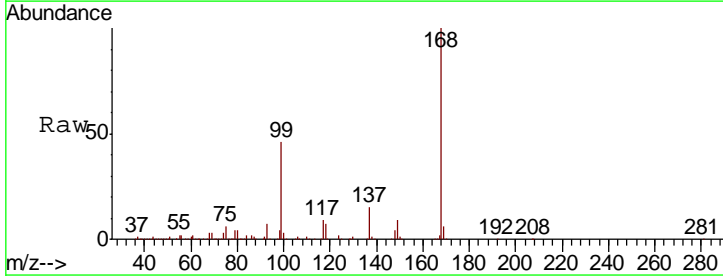
Instrument :  
 MSVOA\_X  
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 T2-S-D-(2.5)

Tgt Ion	Resp	Lower	Upper
75	100		
110	11.7	19.1	57.3#
77	0.3	24.4	36.6#

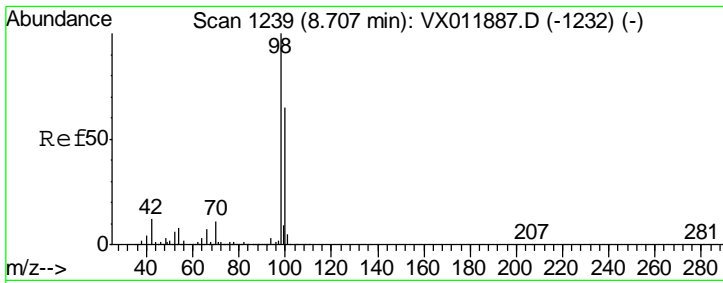


#38  
 Carbon Tetrachloride  
 Concen: 7.031 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.13 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
117	100		
119	4.2	76.6	114.8#
121	0.0	24.7	37.1#



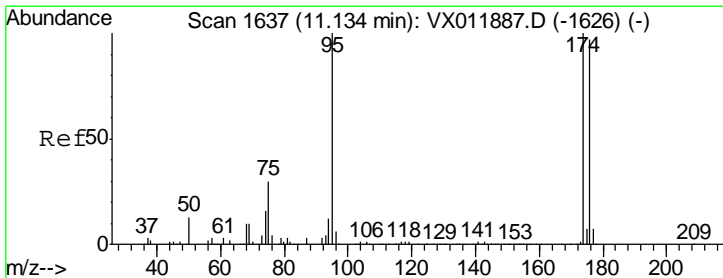
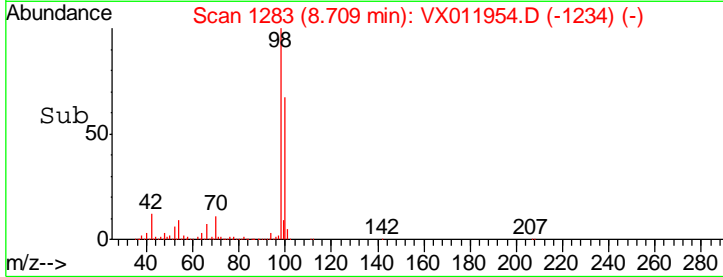
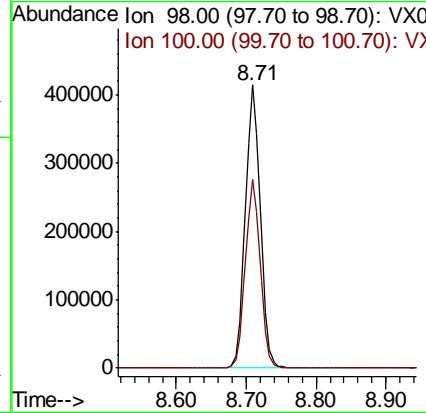
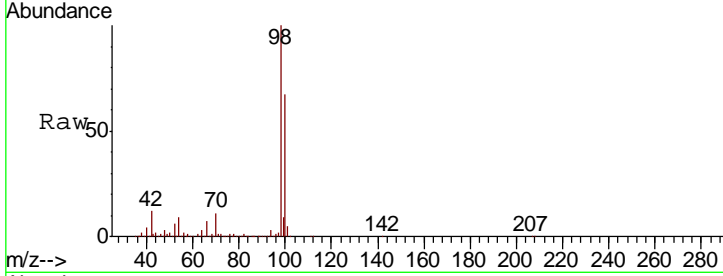




#50  
 Toluene-d8  
 Concen: 48.779 ug/l  
 RT: 8.71 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

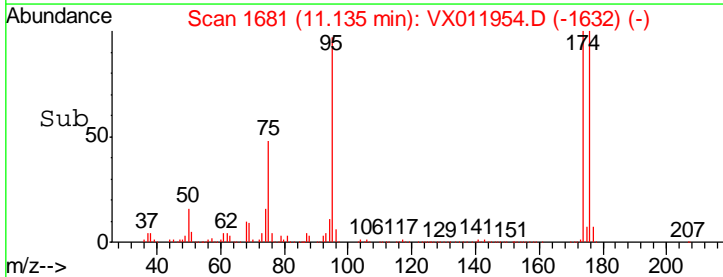
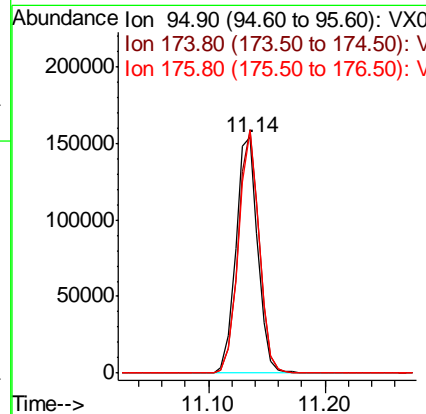
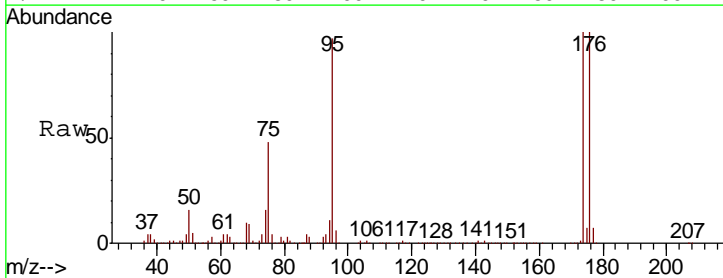
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 T2-S-D-(2.5)

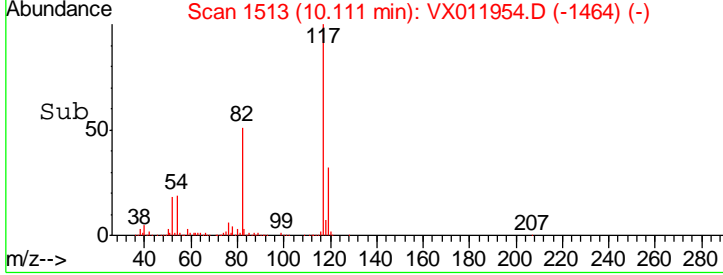
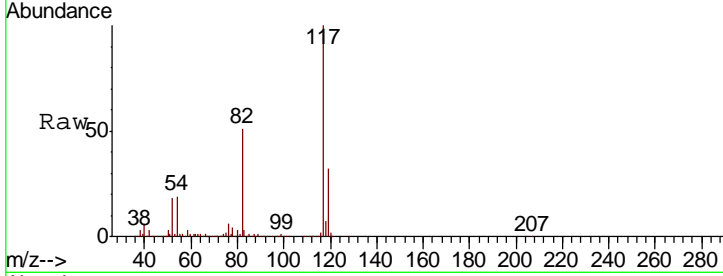
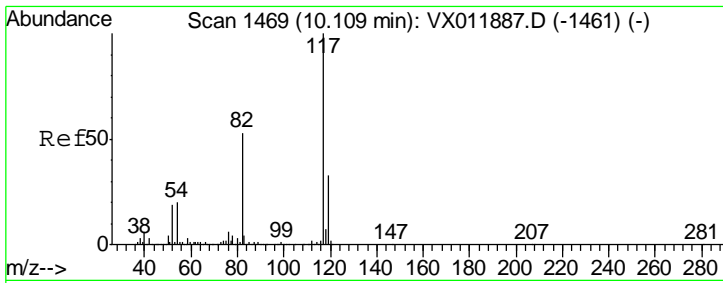
Tgt Ion: 98 Resp: 617350  
 Ion Ratio Lower Upper  
 98 100  
 100 66.5 53.0 79.6



#62  
 4-Bromofluorobenzene  
 Concen: 36.264 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion: 95 Resp: 201328  
 Ion Ratio Lower Upper  
 95 100  
 174 98.8 0.0 196.0  
 176 97.3 0.0 191.4

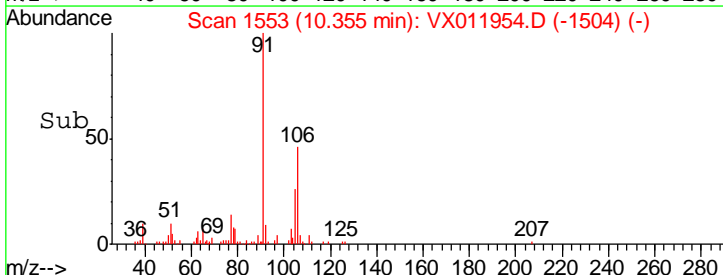
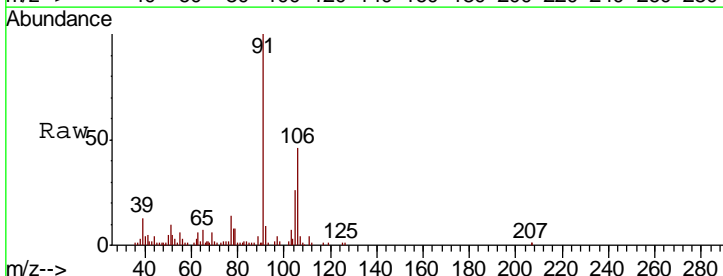
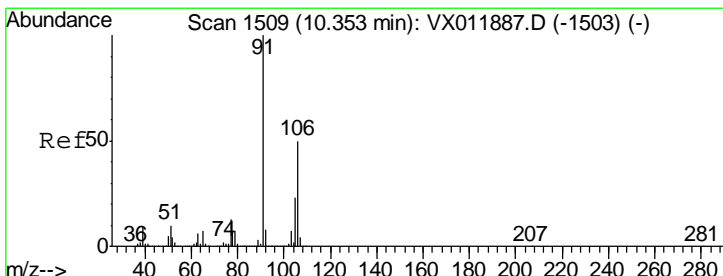
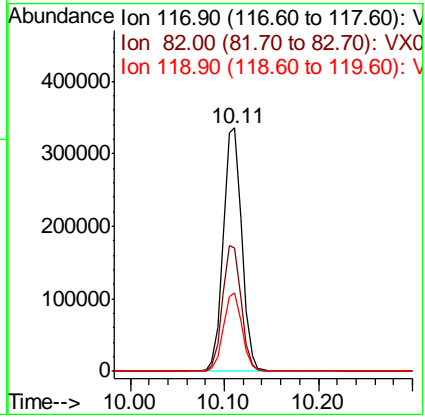




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.11 min Scan# 1513  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

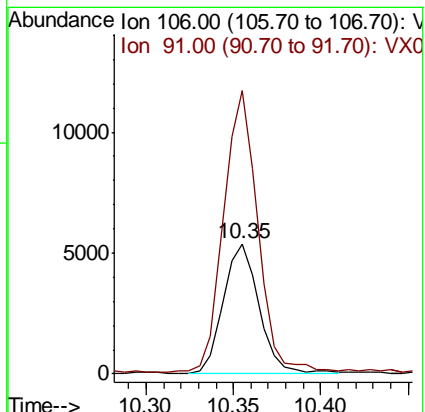
Instrument : MSVOA\_X  
 ClientSampled : T2-S-D-(2.5)

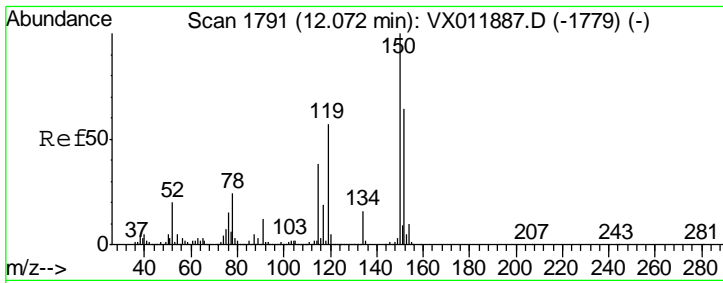
Tgt Ion	Resp	Lower	Upper
117	456784		
82	50.5	42.0	63.0
119	32.4	26.2	39.4



#68  
 m/p-Xylenes  
 Concen: 1.319 ug/l  
 RT: 10.35 min Scan# 1553  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
106	7671		
91	205.5	158.6	237.8

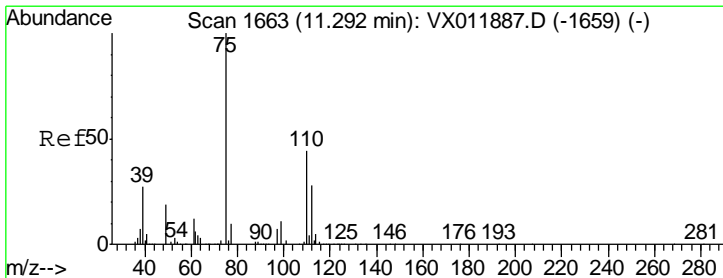
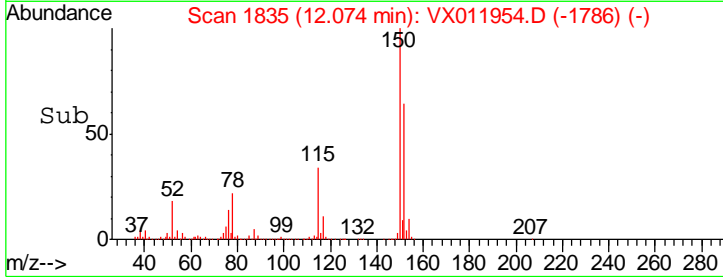
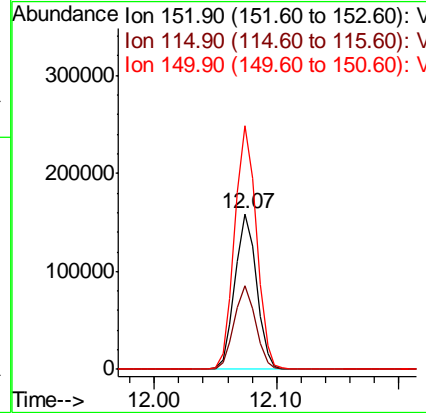
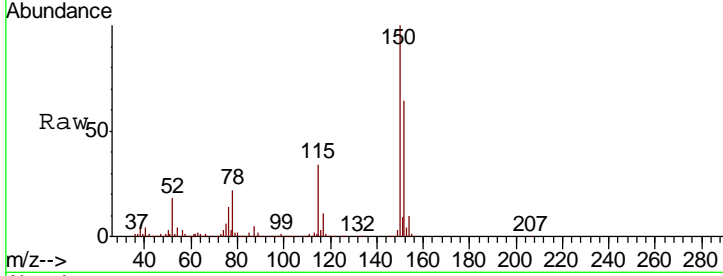




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

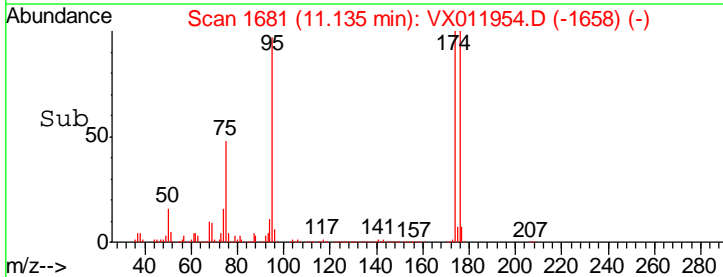
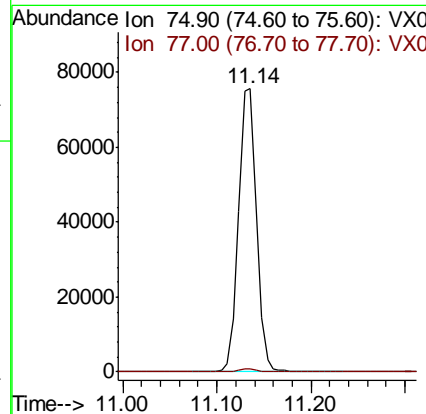
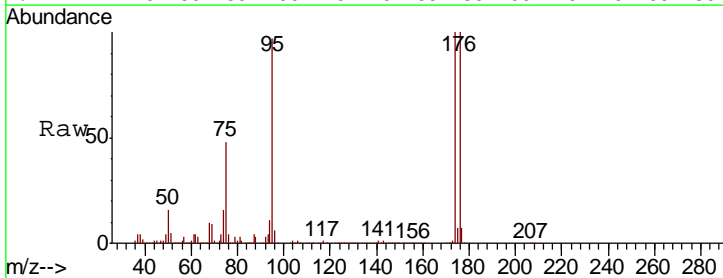
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 T2-S-D-(2.5)

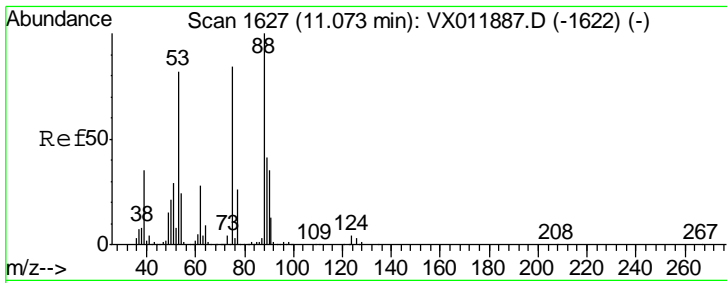
Tgt Ion	Resp	Lower	Upper
152	194001		
115	53.2	37.1	111.3
150	157.7	0.0	339.6



#76  
 1,2,3-Trichloropropane  
 Concen: 52.496 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. -0.16 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Tgt Ion	Resp	Lower	Upper
75	100183		
75	100		
77	1.3	20.9	62.7#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 131.879 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.06 min  
 Lab File: VX011954.D  
 Acq: 31 Aug 2019 16:47

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 T2-S-D-(2.5)

Tgt Ion	Resp	Lower	Upper
75	100183		
53	0.2	77.1	115.7#
89	0.0	38.2	57.2#

