

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VOX091019\
 Data File : VX012279.D
 Acq On : 11 Sep 2019 03:07
 Operator : SY/SP
 Sample : K4643-05
 Misc : 4.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

Quant Time: Sep 11 03:28:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	114220	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.48	113	85450	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	8.71	98	339425	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	11.14	95	126057	42.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.16%	

Target Compounds

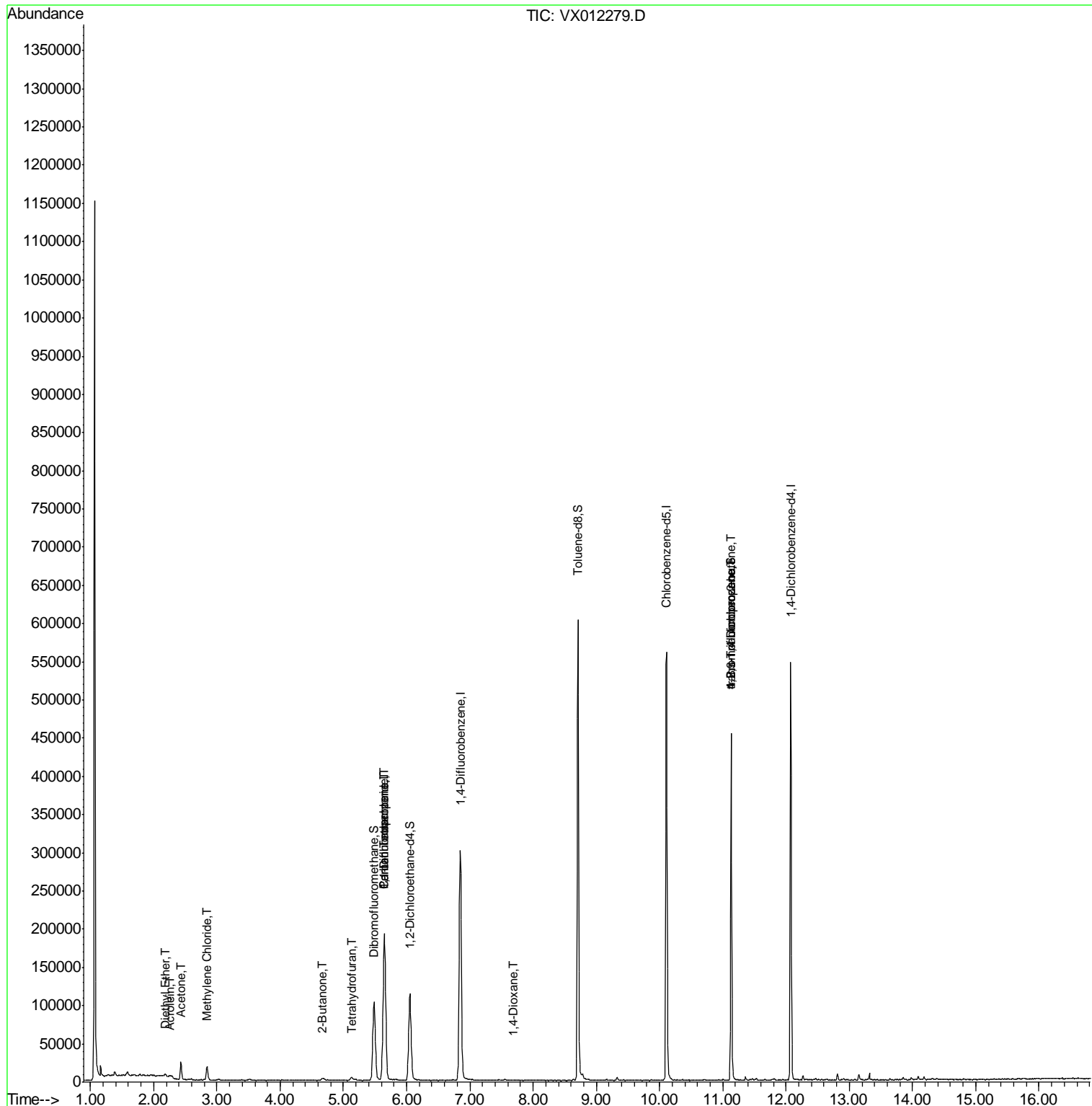
					Qvalue	
5) Bromomethane	1.64	94	402	Below Cal	#	57
8) Diethyl Ether	2.18	74	901	1.230	ug/l	96
11) Tert butyl alcohol	3.03	59	1114	Below Cal	#	57
13) Acrolein	2.27	56	177	1.476	ug/l #	42
16) Acetone	2.43	43	24271	44.691	ug/l	97
20) Methylene Chloride	2.84	84	8083	2.254	ug/l	96
25) 2-Butanone	4.67	43	3789	5.458	ug/l #	84
29) Tetrahydrofuran	5.14	42	4253	11.354	ug/l	96
36) 1,1-Dichloropropene	5.65	75	15275	7.289	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19087	7.763	ug/l #	15
49) 1,4-Dioxane	7.68	88	49	2.778	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	67252	51.388	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	67252	153.969	ug/l #	5

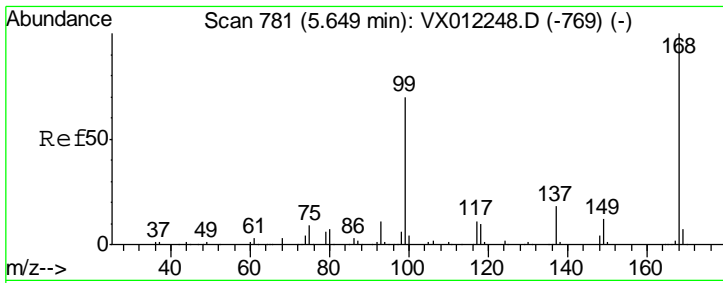
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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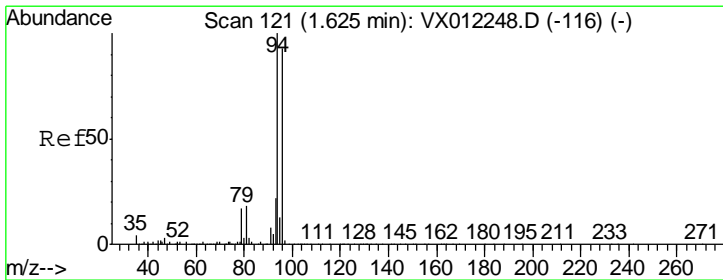
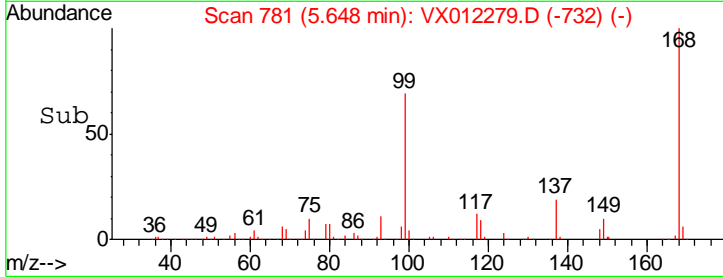
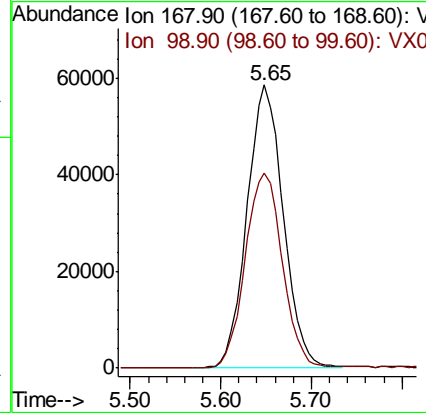
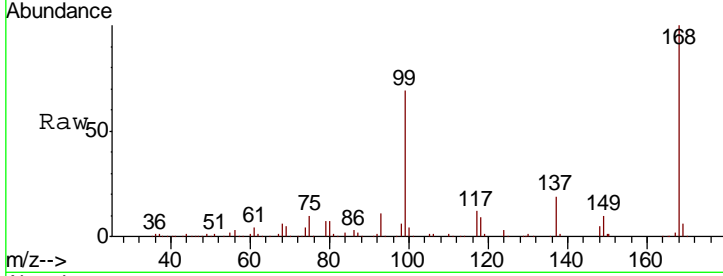




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

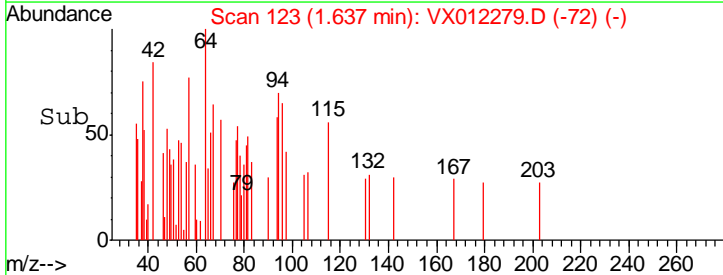
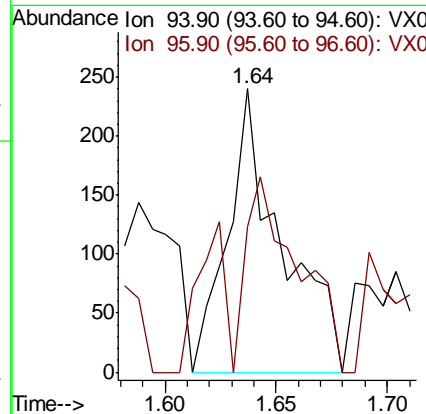
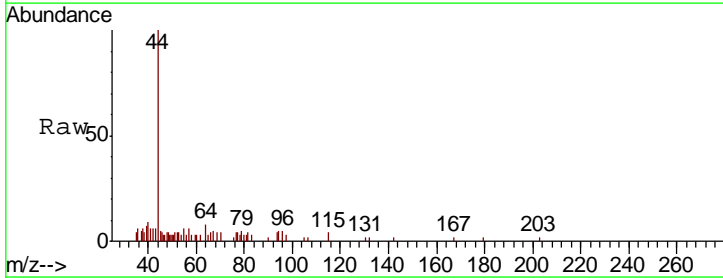
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

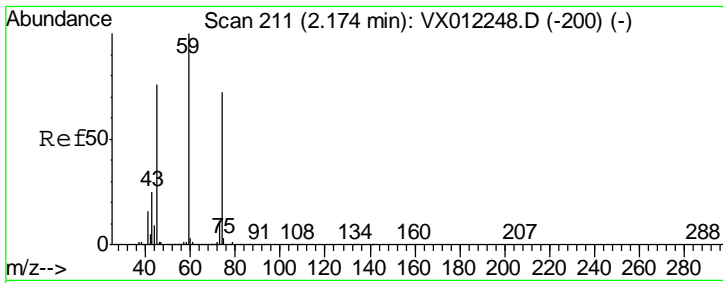
Tgt Ion: 168 Resp: 162267
 Ion Ratio Lower Upper
 168 100
 99 68.8 55.8 83.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.64 min Scan# 123
 Delta R.T. 0.01 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion: 94 Resp: 402
 Ion Ratio Lower Upper
 94 100
 96 51.3 74.0 111.0#

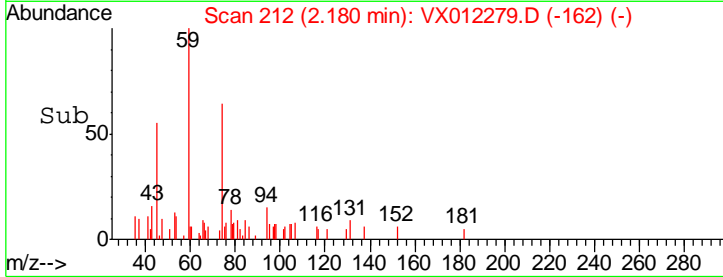
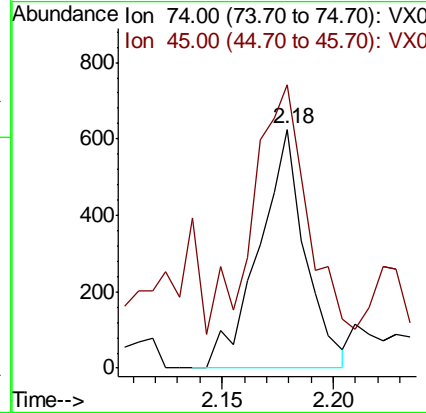
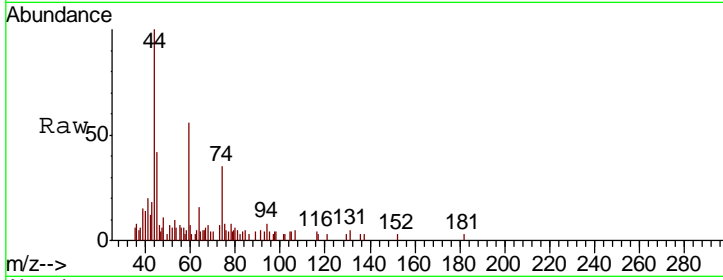




#8
 Diethyl Ether
 Concen: 1.230 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

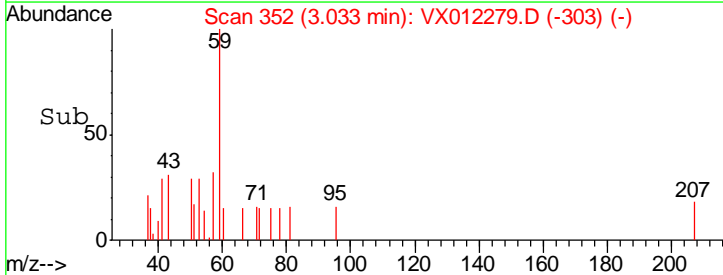
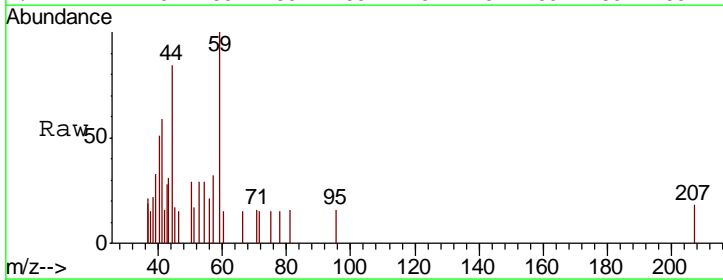
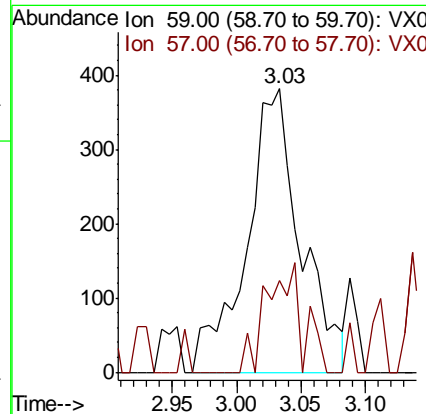
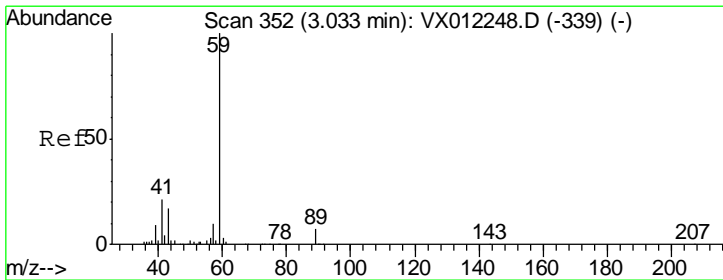
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

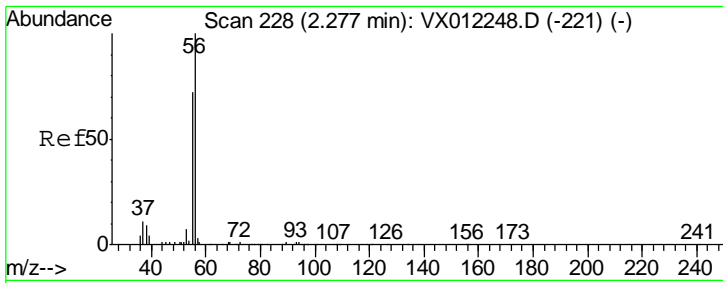
Tgt Ion: 74 Resp: 901
 Ion Ratio Lower Upper
 74 100
 45 106.4 51.3 153.9



#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion: 59 Resp: 1114
 Ion Ratio Lower Upper
 59 100
 57 25.7 7.8 11.6#

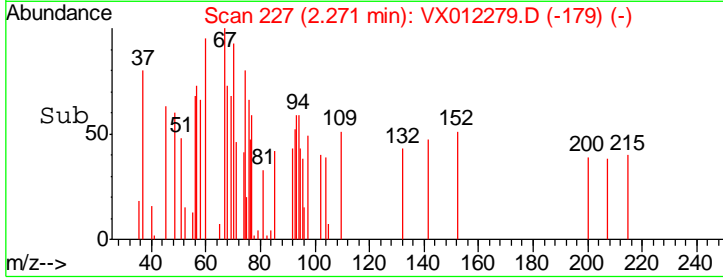
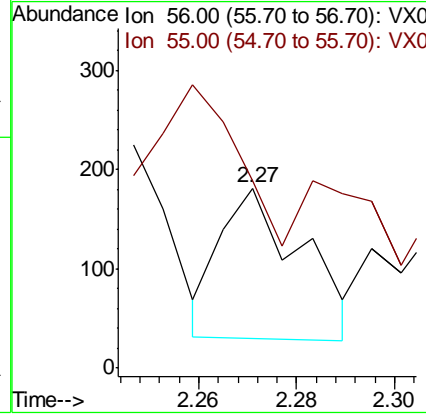
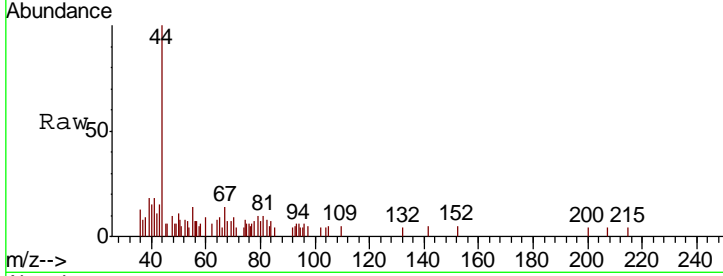




#13
 Acrolein
 Concen: 1.476 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

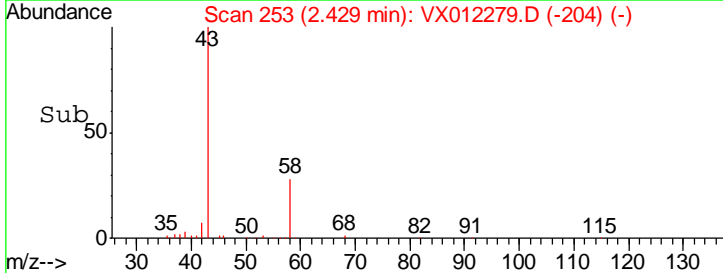
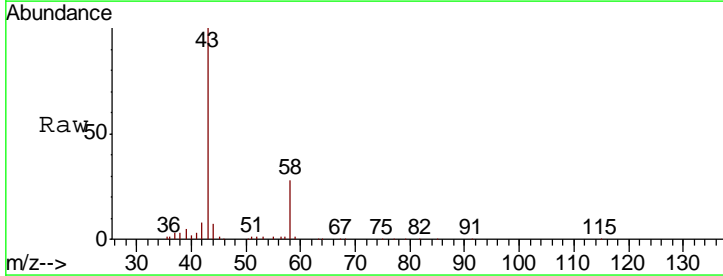
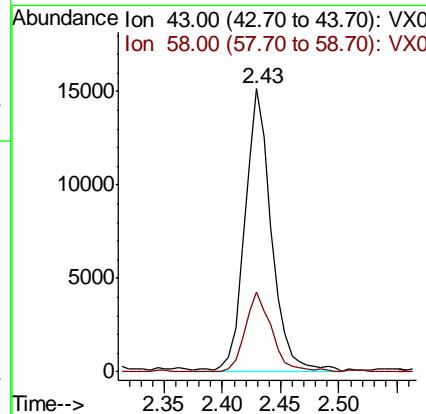
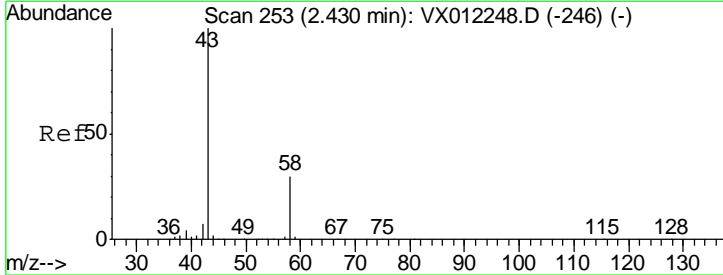
Instrument : MSVOA_X
 ClientSampled : T11-B4-(0)

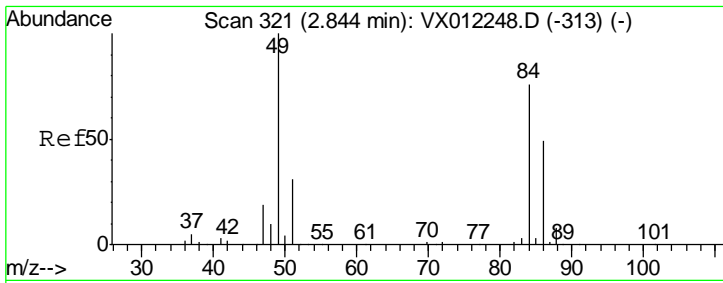
Tgt Ion	Resp	Lower	Upper
56	177		
55	123.7	59.8	89.6#



#16
 Acetone
 Concen: 44.691 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
43	24271		
58	28.0	23.6	35.4



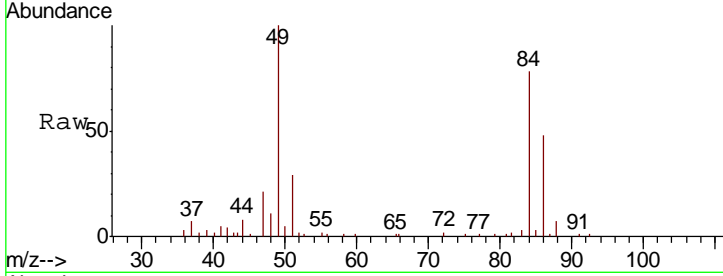


#20
 Methylene Chloride
 Concen: 2.254 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

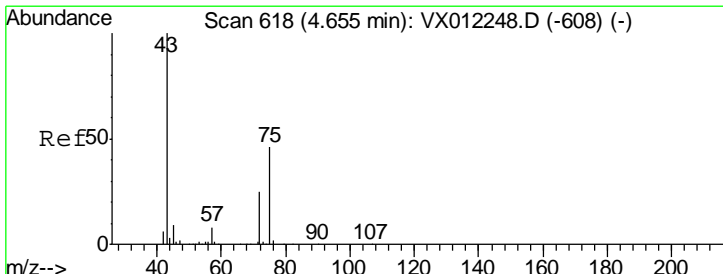
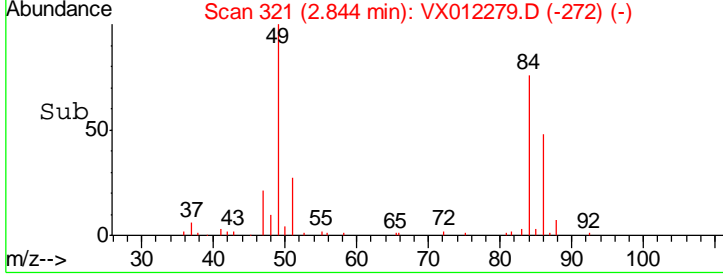
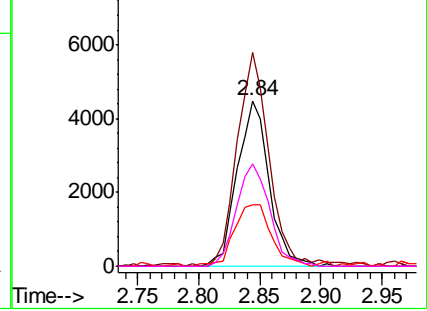
Instrument : MSVOA_X
 ClientSampled : T11-B4-(0)

Tgt Ion: 84 Resp: 8083

Ion	Ratio	Lower	Upper
84	100		
49	127.5	105.0	157.6
51	36.9	32.6	48.8
86	61.9	51.8	77.6



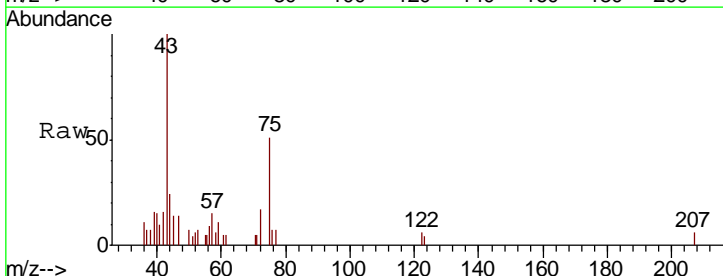
Abundance Ion 83.90 (83.60 to 84.60): VX0
 Ion 48.90 (48.60 to 49.60): VX0
 Ion 50.90 (50.60 to 51.60): VX0
 Ion 85.90 (85.60 to 86.60): VX0



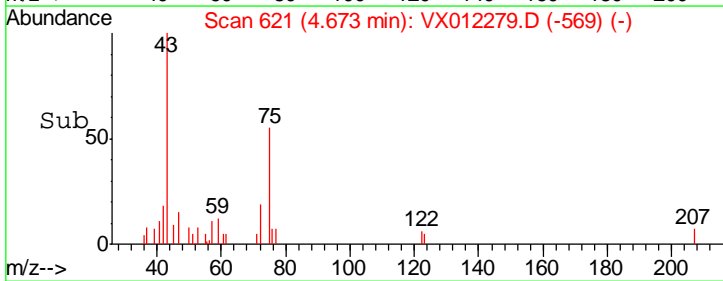
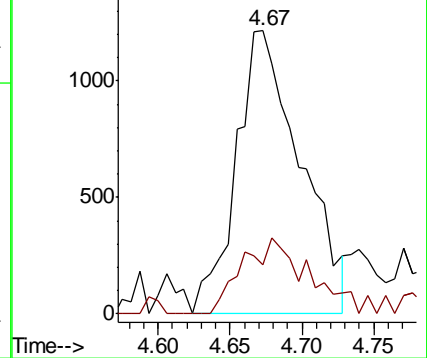
#25
 2-Butanone
 Concen: 5.458 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.02 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

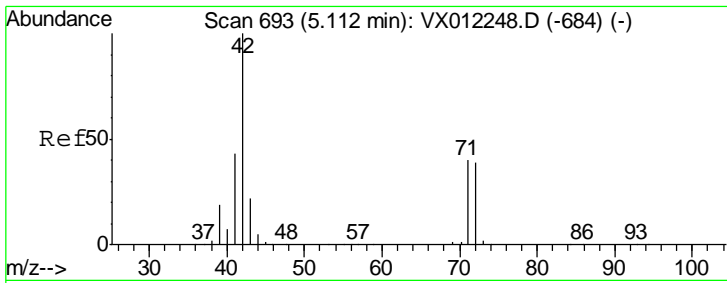
Tgt Ion: 43 Resp: 3789

Ion	Ratio	Lower	Upper
43	100		
72	17.2	20.2	30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0

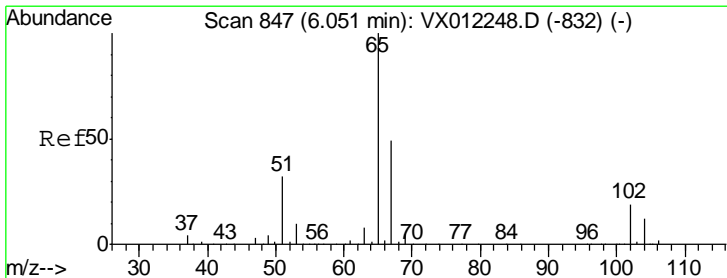
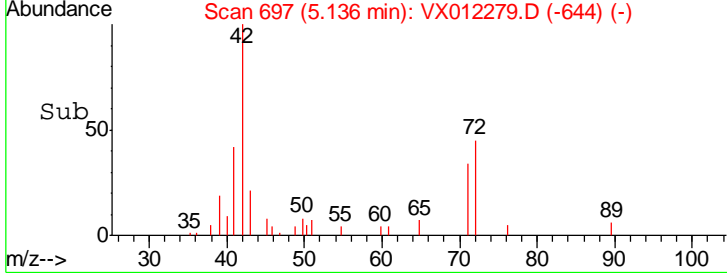
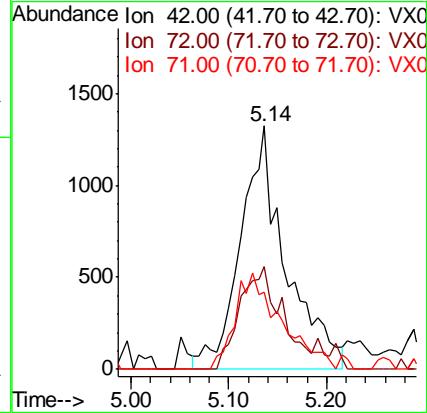
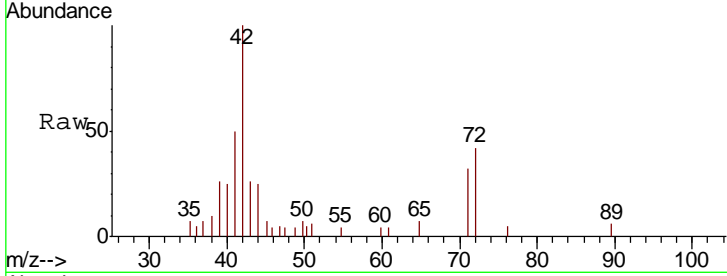




#29
 Tetrahydrofuran
 Concen: 11.354 ug/l
 RT: 5.14 min Scan# 697
 Delta R.T. 0.02 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

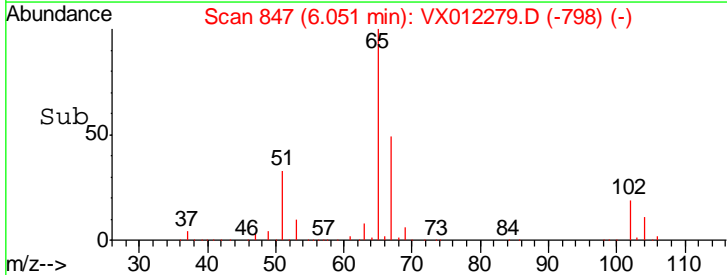
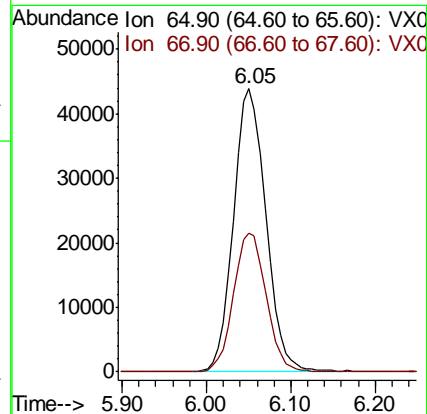
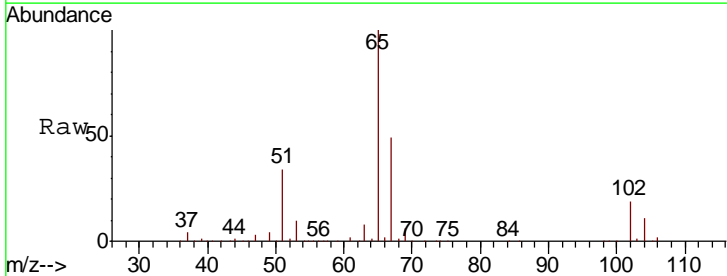
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

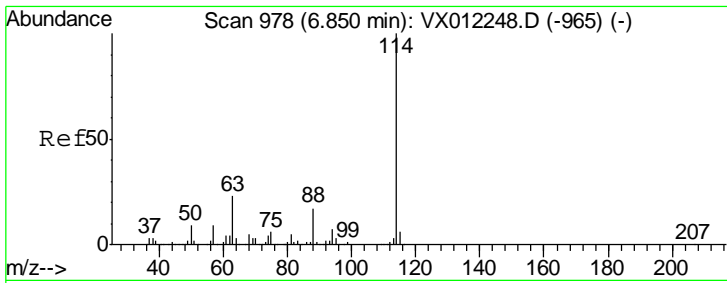
Tgt Ion	Resp	Lower	Upper
42	4253		
72	39.3	35.2	52.8
71	40.4	32.5	48.7



#33
 1,2-Dichloroethane-d4
 Concen: 49.788 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
65	114220		
67	49.5	0.0	99.8

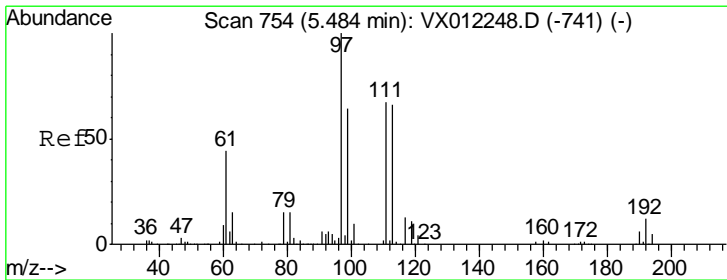
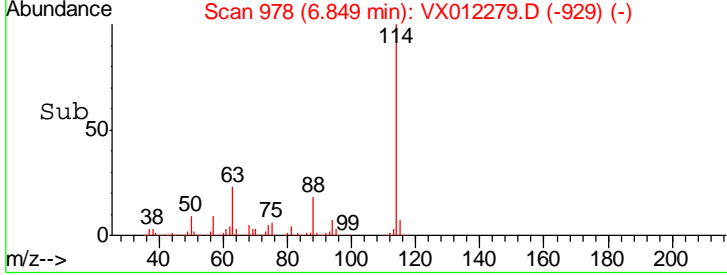
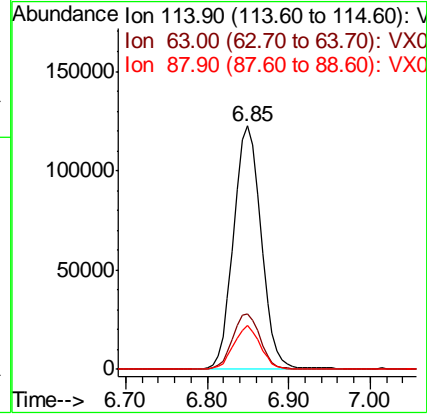
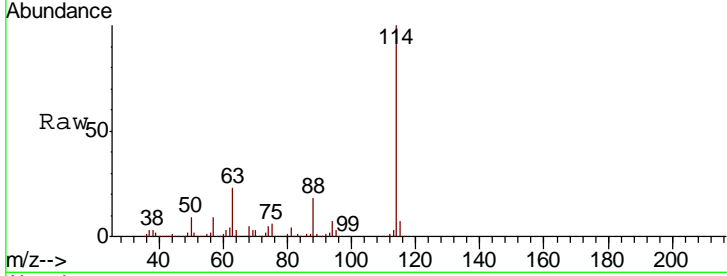




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

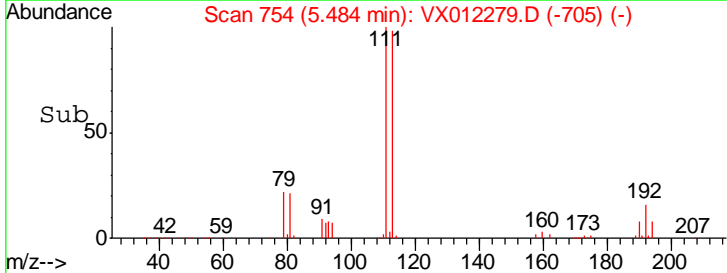
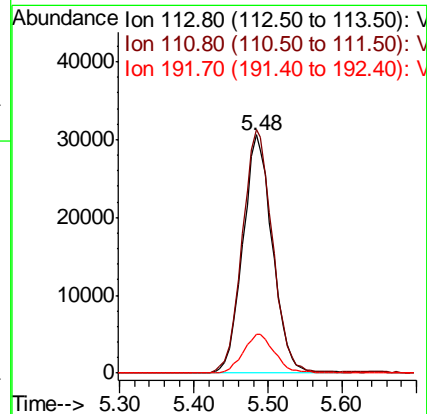
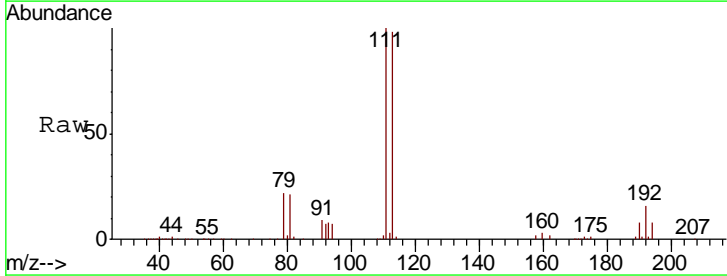
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

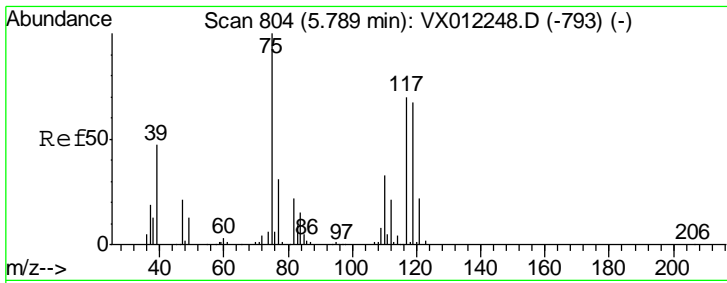
Tgt Ion	Resp	Lower	Upper
114	287398		
63	22.9	0.0	45.2
88	18.2	0.0	34.8



#35
 Dibromofluoromethane
 Concen: 46.381 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
113	85450		
111	104.1	83.0	124.6
192	17.2	14.3	21.5

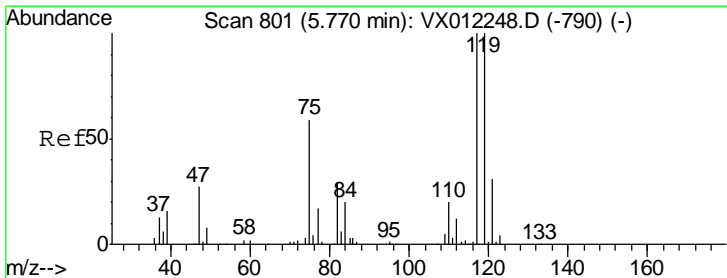
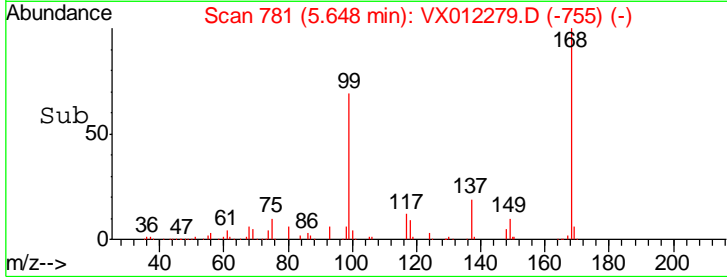
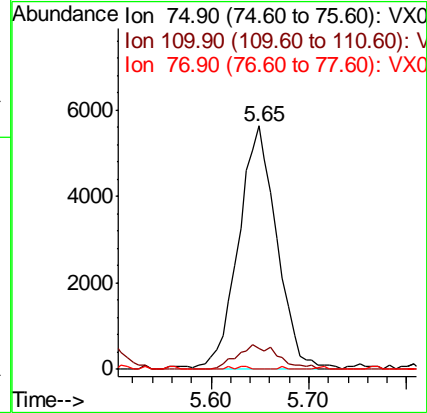
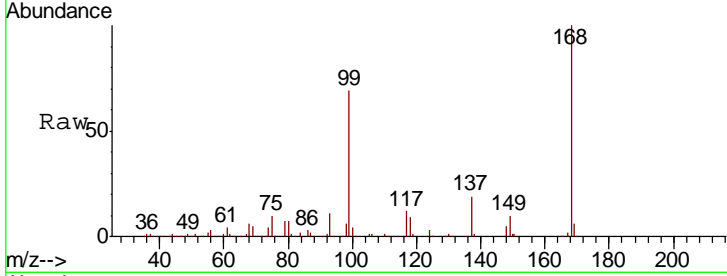




#36
 1,1-Dichloropropene
 Concen: 7.289 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

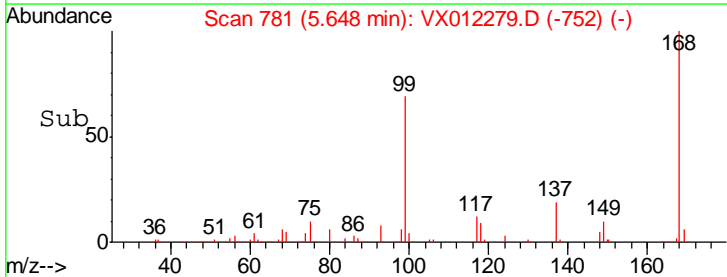
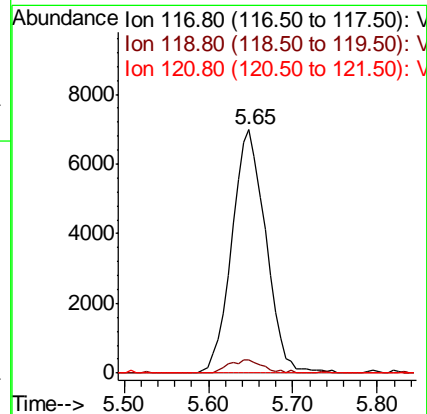
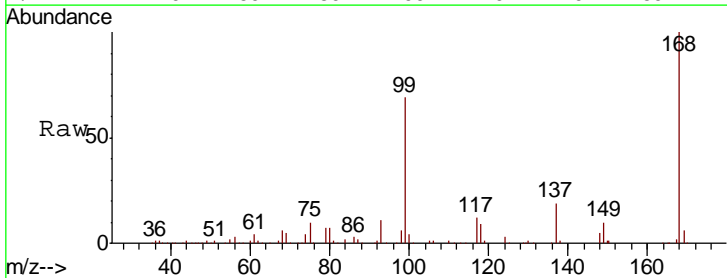
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

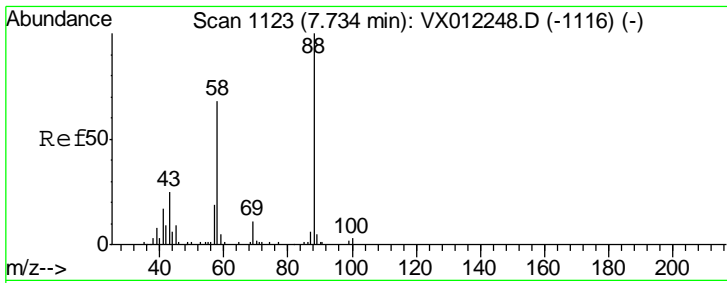
Tgt Ion	Resp	Lower	Upper
75	15275		
110	10.8	16.8	50.4#
77	0.5	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 7.763 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
117	19087		
119	5.3	79.6	119.4#
121	0.0	24.7	37.1#

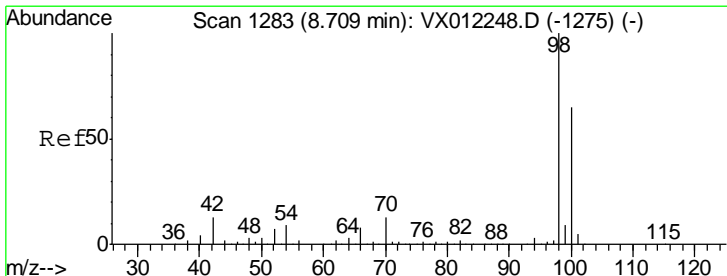
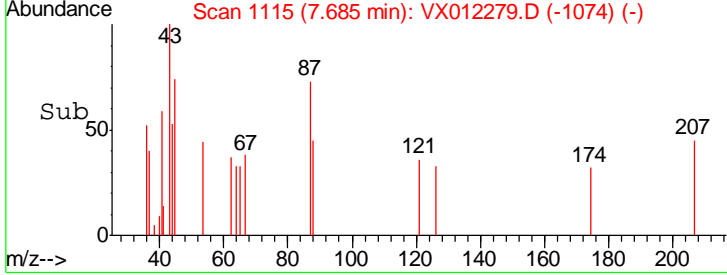
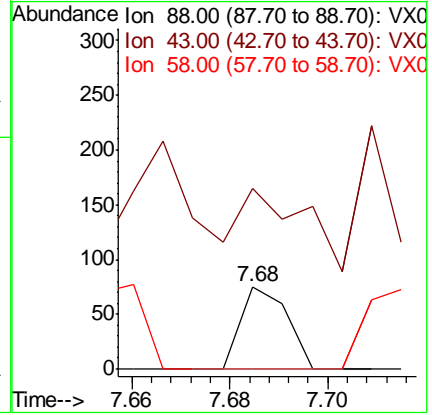
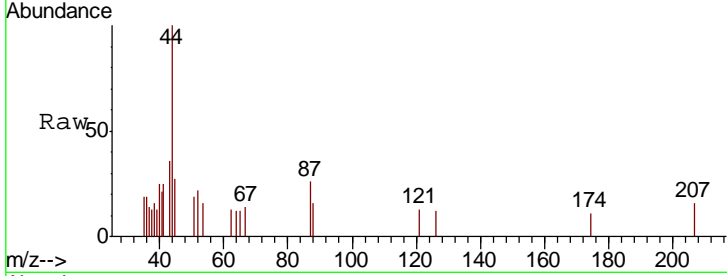




#49
 1,4-Dioxane
 Concen: 2.778 ug/l
 RT: 7.68 min Scan# 1115
 Delta R.T. -0.05 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

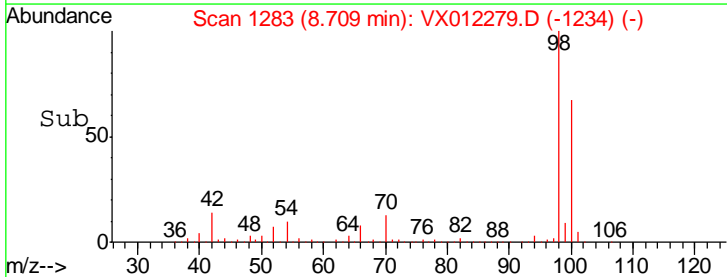
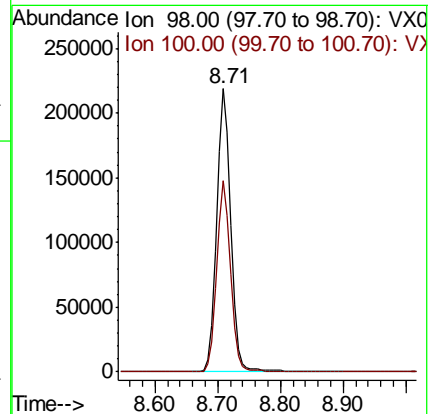
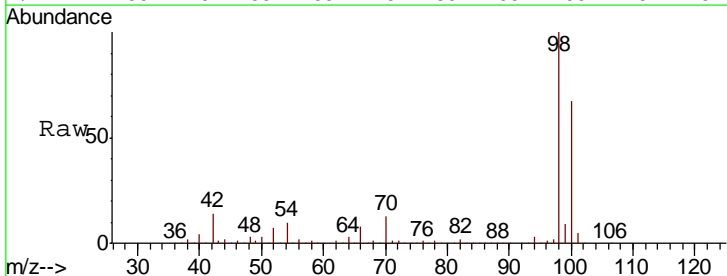
Instrument : MSVOA_X
 ClientSampled : T11-B4-(0)

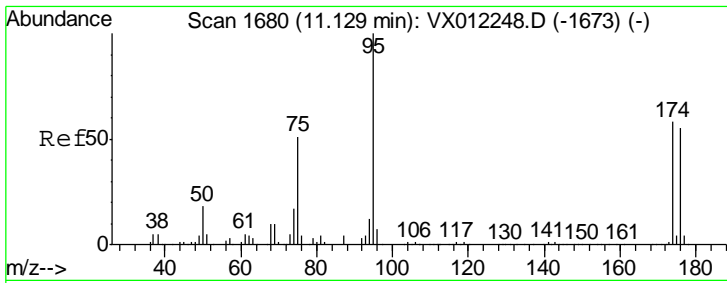
Tgt Ion	Resp	Lower	Upper
88	100		
43	159.2	31.0	46.4#
58	0.0	61.5	92.3#



#50
 Toluene-d8
 Concen: 52.528 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.8	54.1	81.1

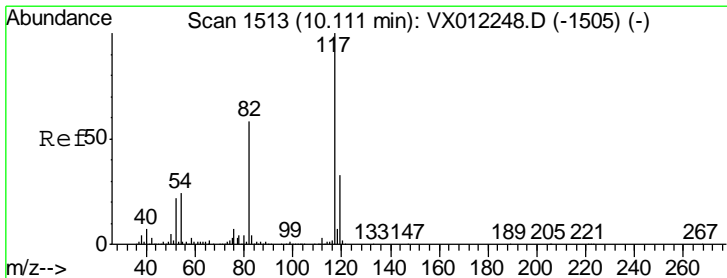
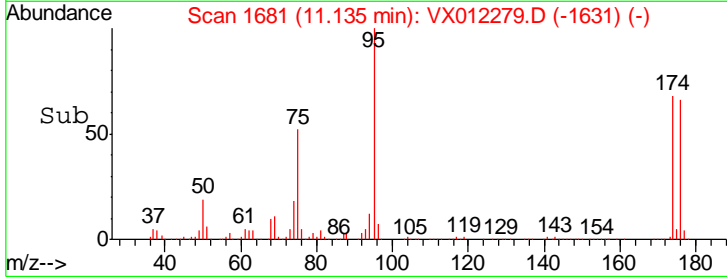
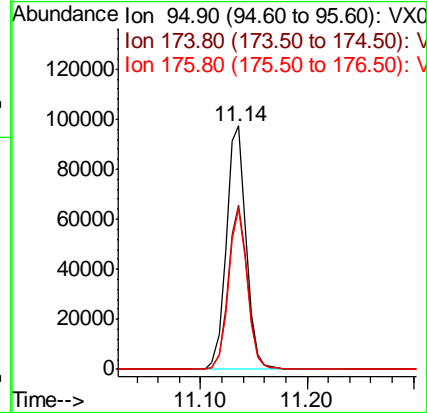
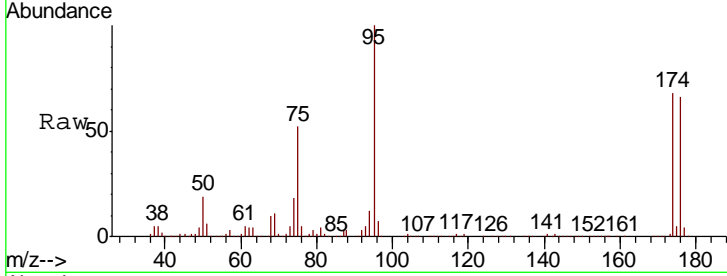




#62
 4-Bromofluorobenzene
 Concen: 42.080 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

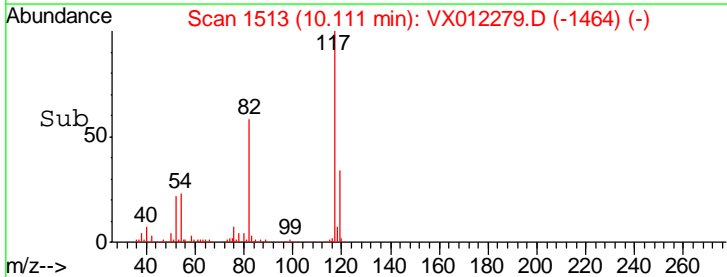
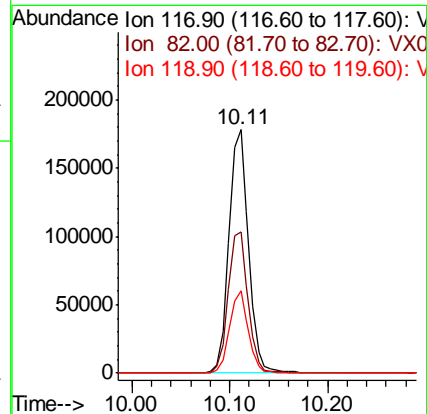
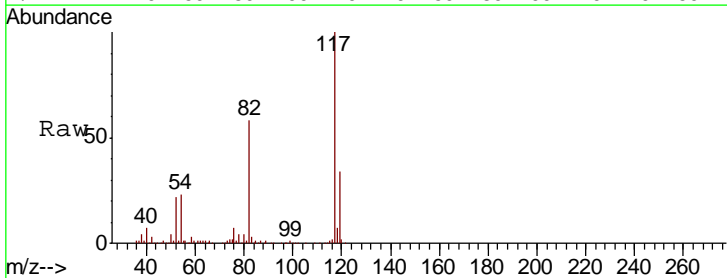
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

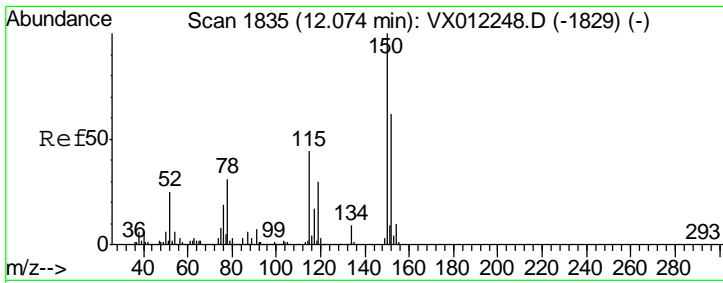
Tgt Ion	Resp	Lower	Upper
95	126057		
174	65.6	0.0	127.0
176	62.8	0.0	125.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
117	246877		
82	57.8	46.4	69.6
119	34.0	26.6	39.8

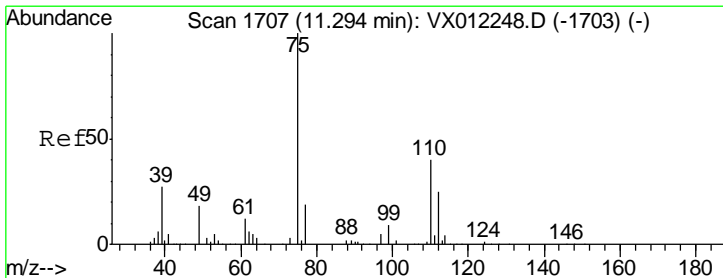
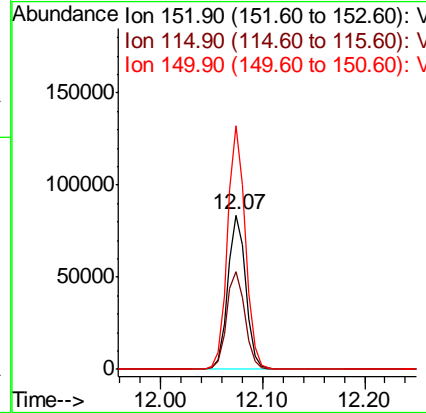
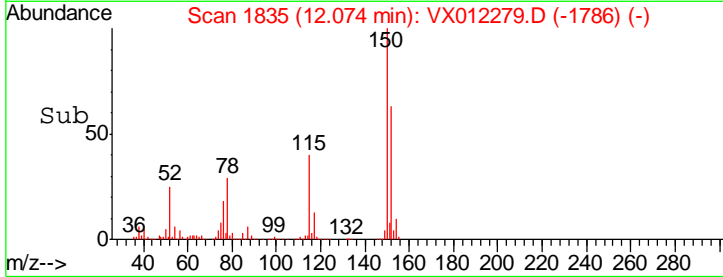
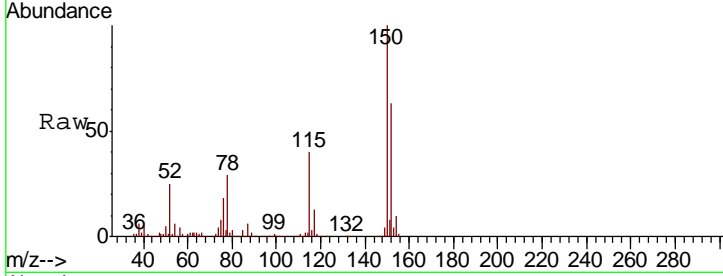




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

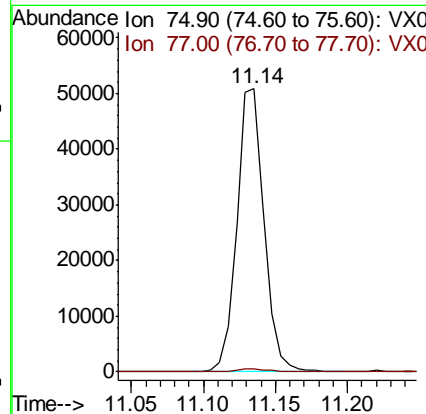
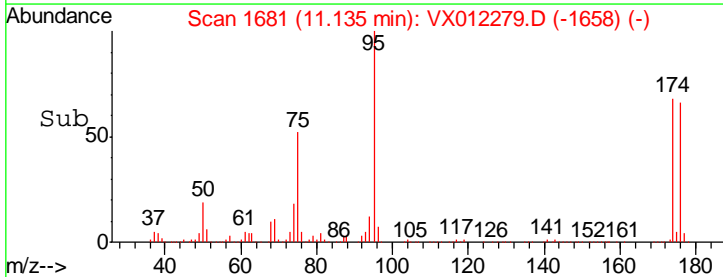
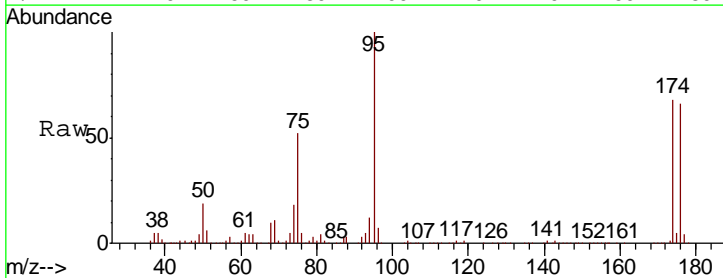
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

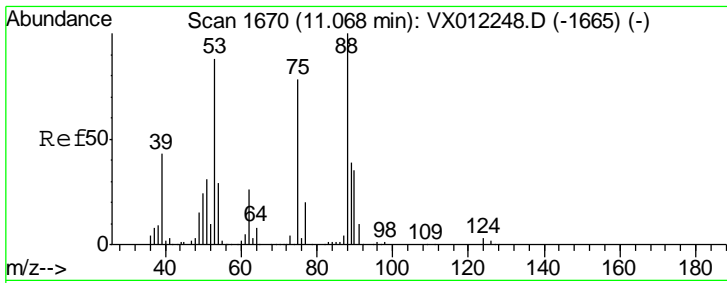
Tgt Ion	Resp	Lower	Upper
152	101874		
115	65.1	45.5	136.4
150	157.3	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 51.388 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Tgt Ion	Resp	Lower	Upper
75	67252		
77	1.2	19.7	59.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.969 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012279.D
 Acq: 11 Sep 2019 03:07

Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(0)

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.1	88.1	132.1#
89	0.0	43.5	65.3#

