

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021119\
 Data File : VX007479.D
 Acq On : 11 Feb 2019 20:12
 Operator : JC/SP
 Sample : K1449-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

Quant Time: Feb 12 00:08:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	549461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	828972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	775628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	284510	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.50	113	270331	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	8.71	98	981470	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.13	95	350212	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

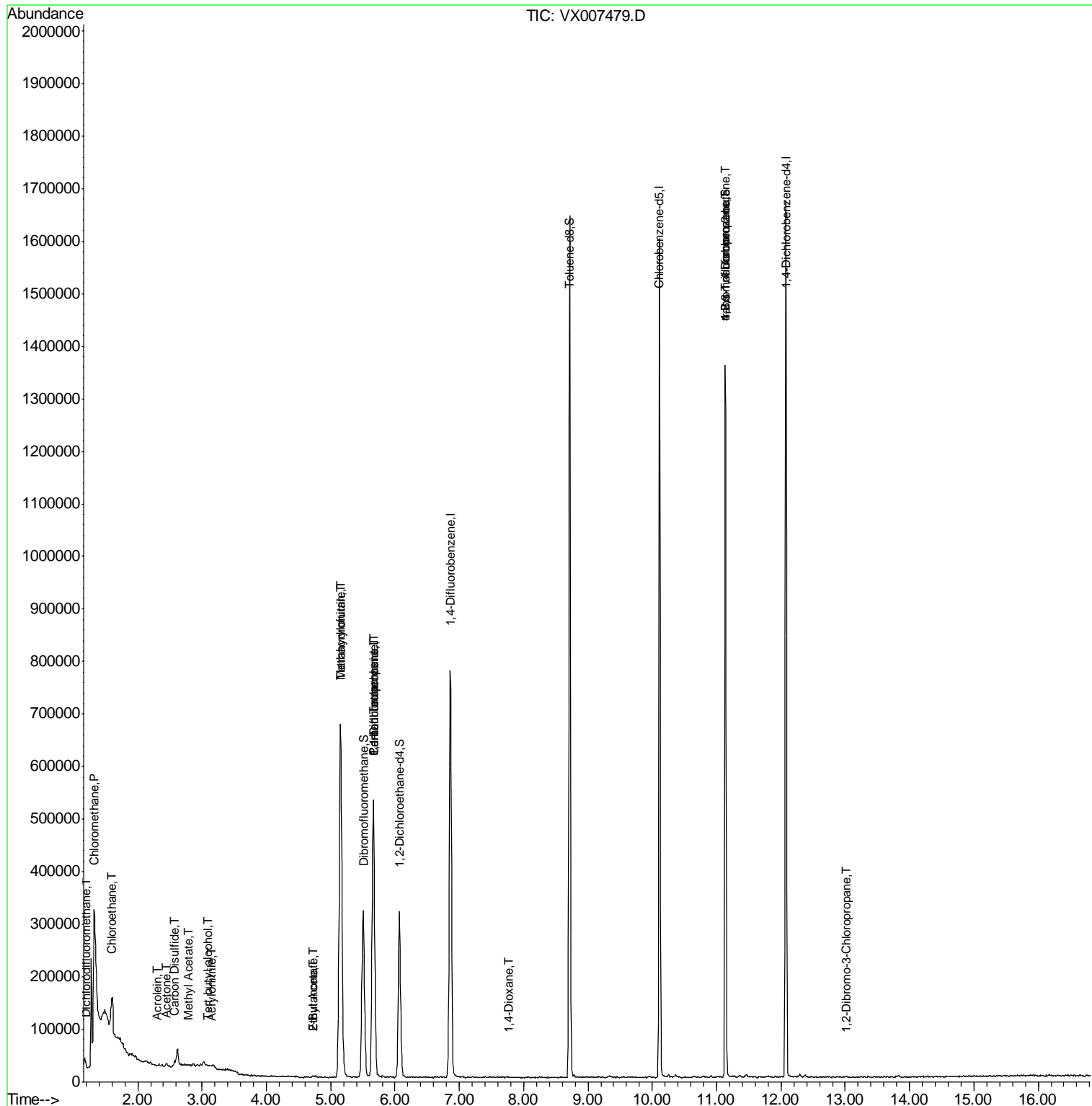
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	301	0.222	ug/l #	70
3) Chloromethane	1.32	50	13755	2.223	ug/l #	42
5) Bromomethane	1.66	94	943	Below Cal		82
6) Chloroethane	1.59	64	69277	17.638	ug/l #	52
11) Tert butyl alcohol	3.10	59	257	0.213	ug/l #	73
13) Acrolein	2.30	56	441	0.779	ug/l #	14
15) Acrylonitrile	3.14	53	698	0.234	ug/l #	41
16) Acetone	2.45	43	6628	2.481	ug/l #	79
17) Carbon Disulfide	2.57	76	14359	3.123	ug/l #	96
18) Methyl Acetate	2.78	43	1335	0.783	ug/l #	89
25) 2-Butanone	4.71	43	1610	0.423	ug/l #	51
29) Tetrahydrofuran	5.15	42	623656	260.820	ug/l	99
36) 1,1-Dichloropropene	5.67	75	34333	4.616	ug/l #	49
37) Ethyl Acetate	4.71	43	1610	0.214	ug/l #	85
38) Carbon Tetrachloride	5.67	117	48891	6.775	ug/l #	16
41) Methacrylonitrile	5.15	41	344610	85.518	ug/l #	44
49) 1,4-Dioxane	7.76	88	46	7.225	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	167234	22.950	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	167234	69.166	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.01	75	379	0.235	ug/l #	1

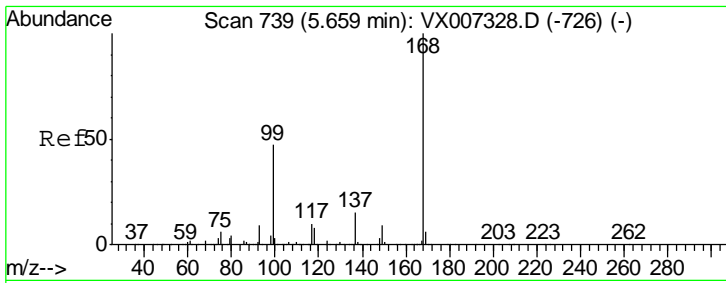
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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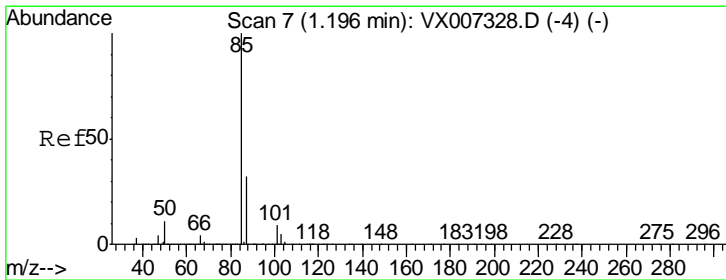
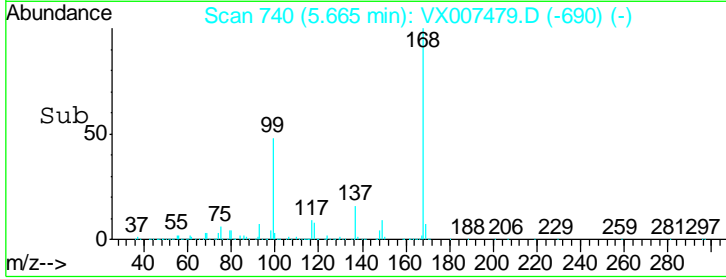
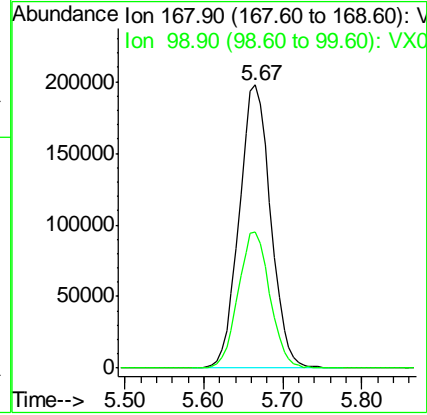
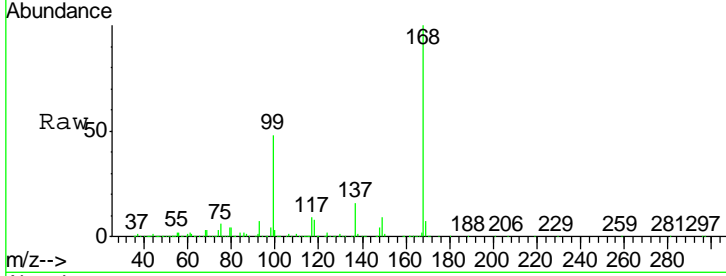




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

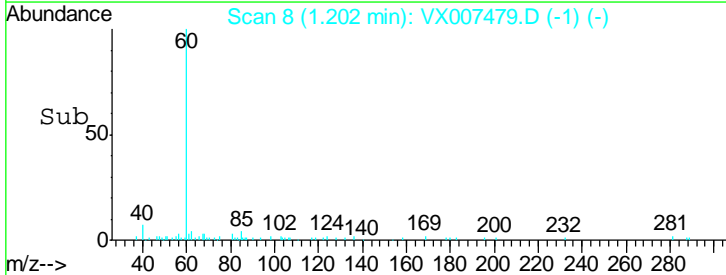
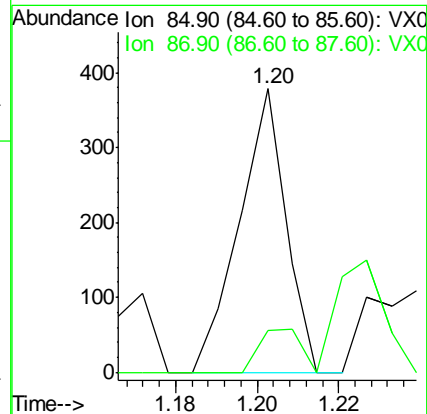
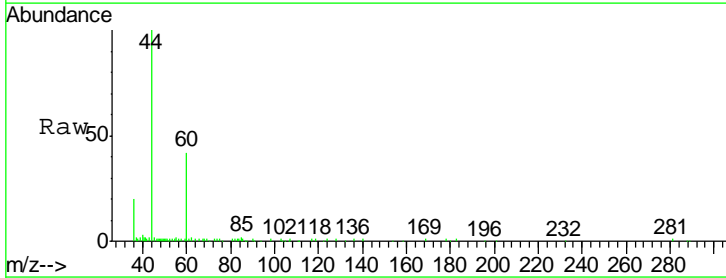
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

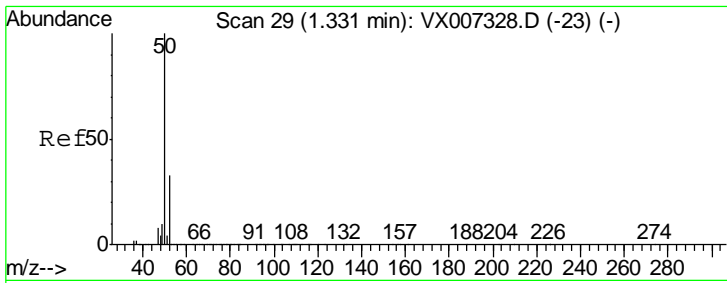
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.0	37.9	56.9



#2
 Dichlorodifluoromethane
 Concen: 0.222 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
85	100		
87	14.8	15.8	47.4#

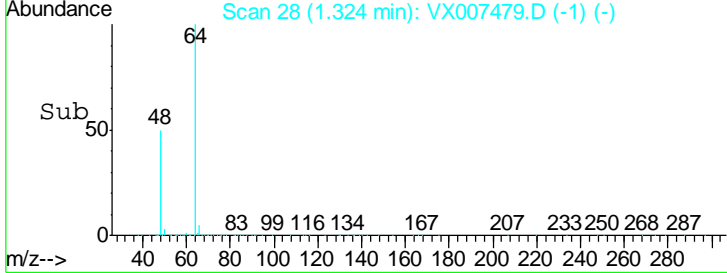
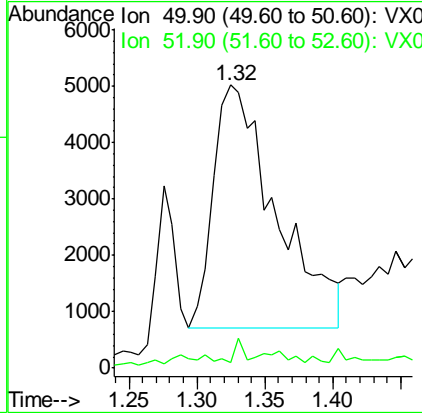
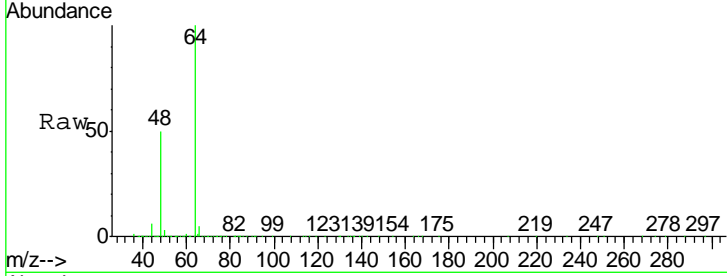




#3
 Chloromethane
 Concen: 2.223 ug/l
 RT: 1.32 min Scan# 28
 Delta R.T. -0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

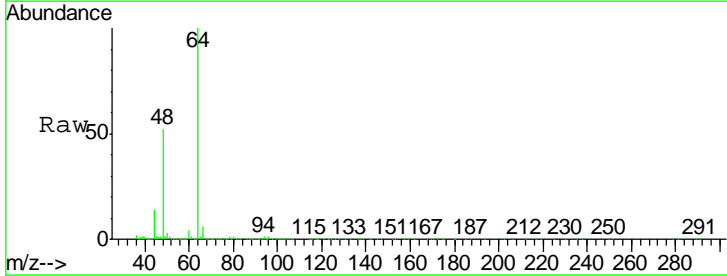
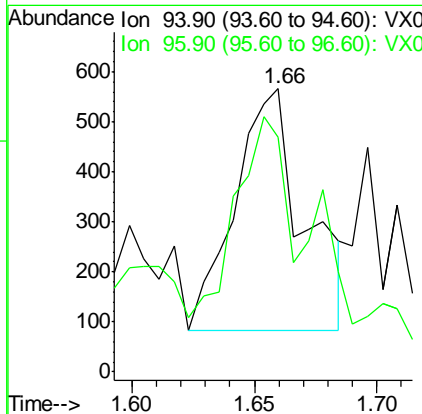
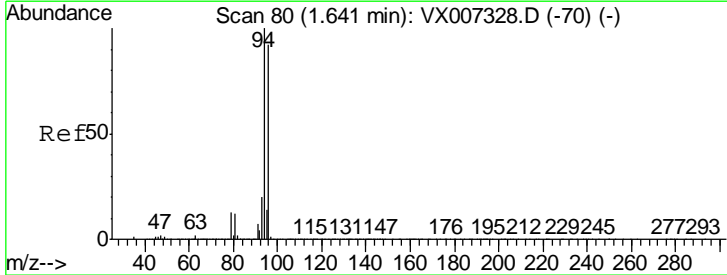
Instrument :
 MSVOA_X
ClientSampled :
 B-11-OW

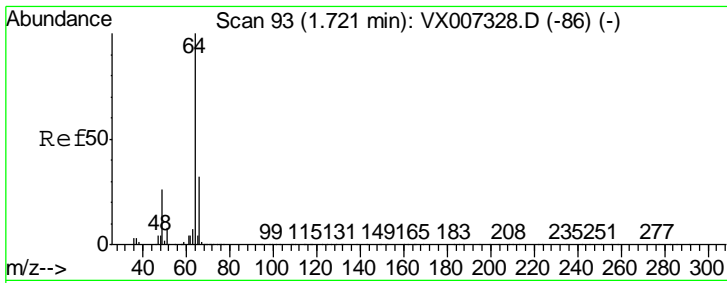
Tgt Ion	Resp	Lower	Upper
50	13755		
52	0.0	26.1	39.1#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.66 min Scan# 83
 Delta R.T. 0.02 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
94	943		
96	74.9	73.9	110.9

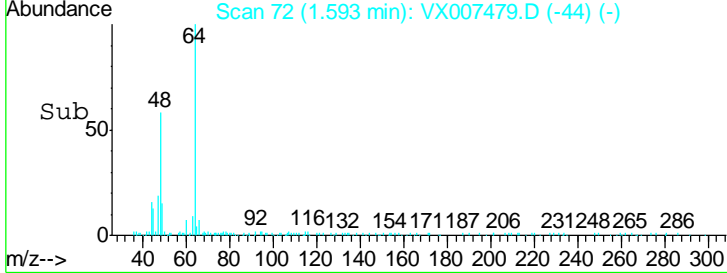
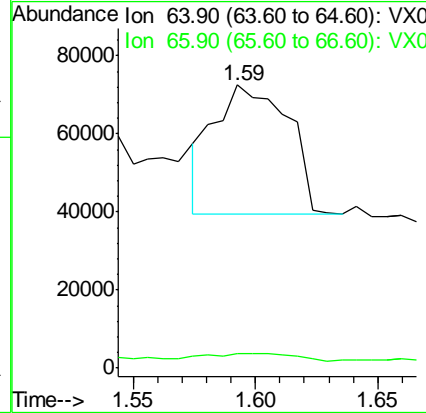
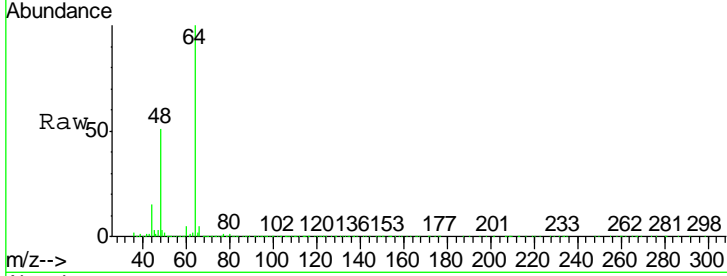




#6
 Chloroethane
 Concen: 17.638 ug/l
 RT: 1.59 min Scan# 72
 Delta R.T. -0.13 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

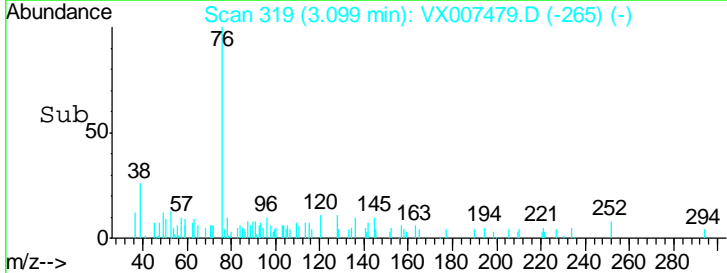
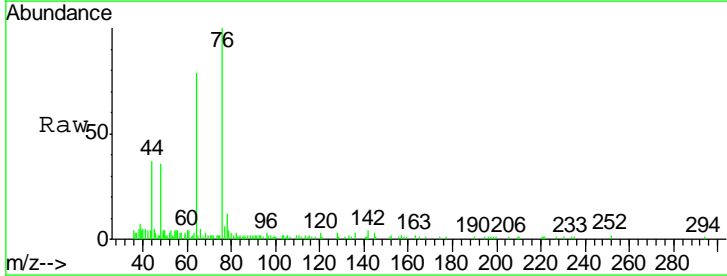
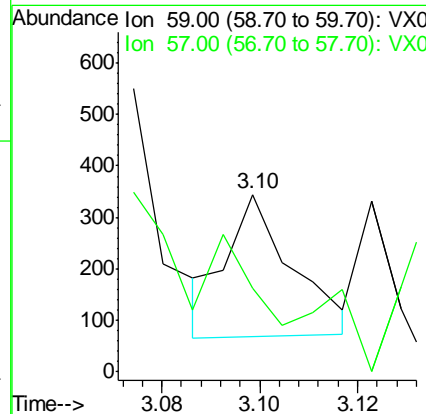
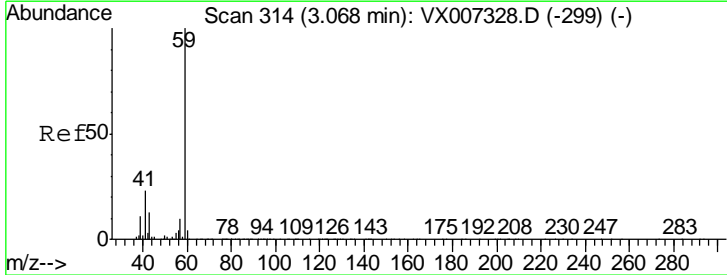
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

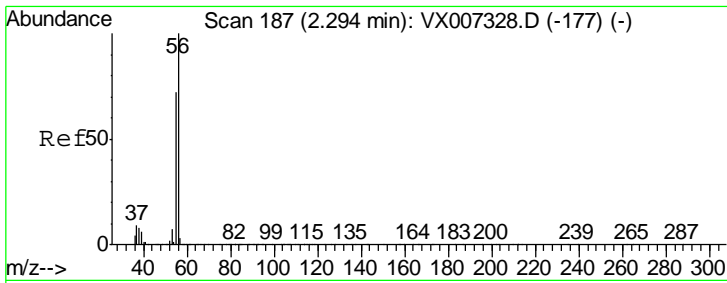
Tgt Ion: 64 Resp: 69277
 Ion Ratio Lower Upper
 64 100
 66 5.2 25.5 38.3#



#11
 Tert butyl alcohol
 Concen: 0.213 ug/l
 RT: 3.10 min Scan# 319
 Delta R.T. 0.03 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion: 59 Resp: 257
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

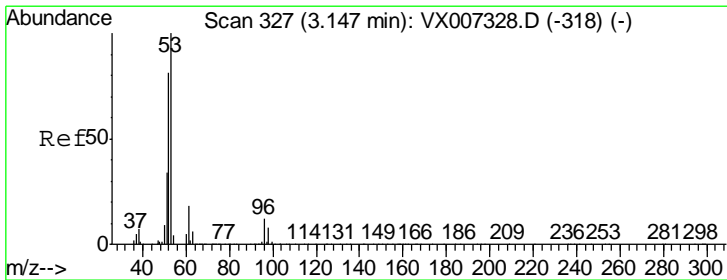
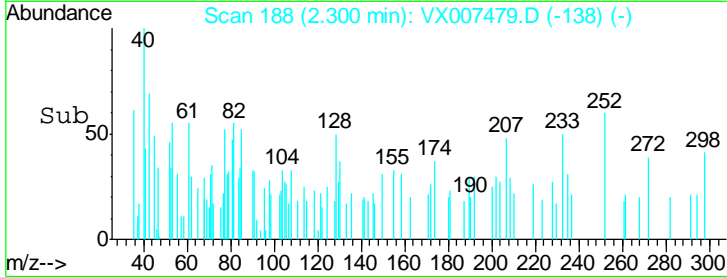
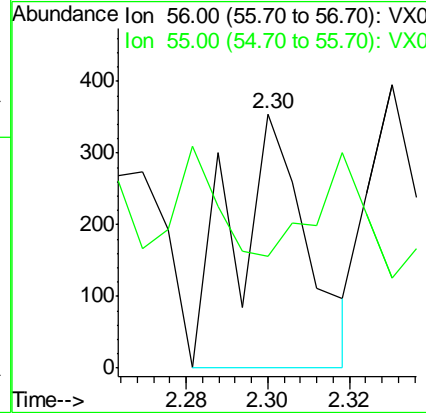
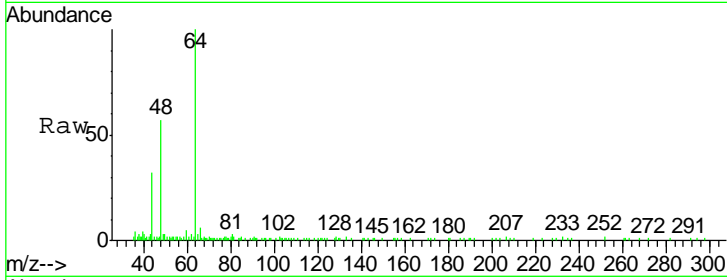




#13
 Acrolein
 Concen: 0.779 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

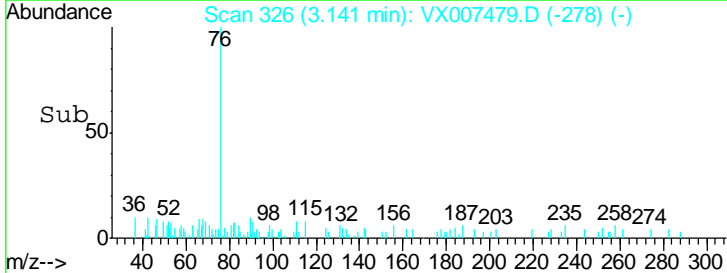
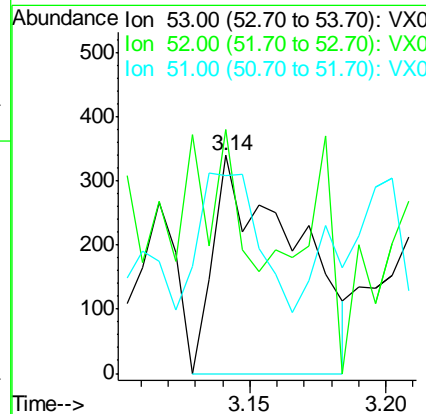
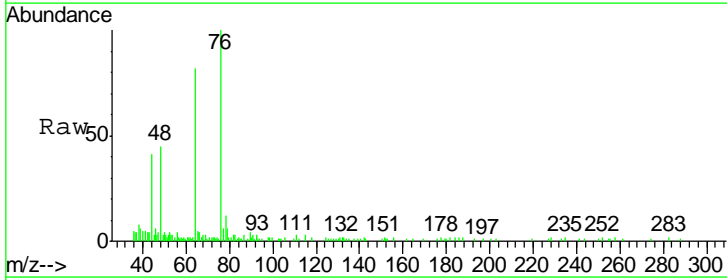
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

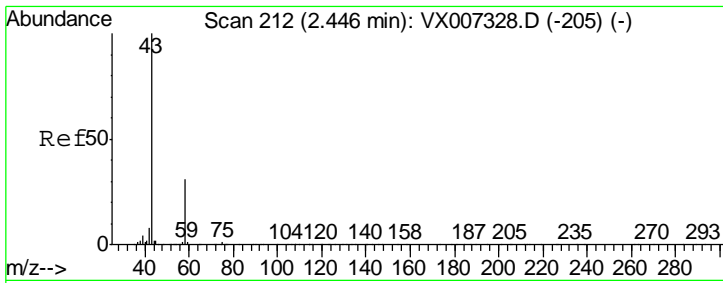
Tgt Ion: 56 Resp: 441
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#



#15
 Acrylonitrile
 Concen: 0.234 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion: 53 Resp: 698
 Ion Ratio Lower Upper
 53 100
 52 37.4 66.4 99.6#
 51 80.7 28.4 42.6#

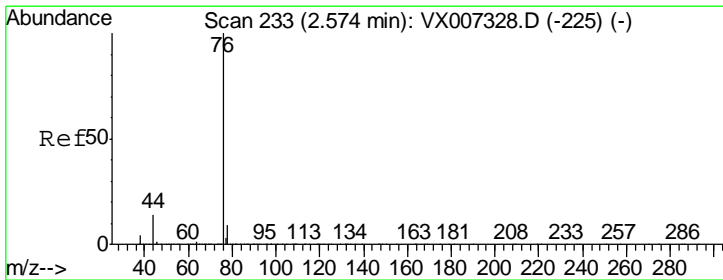
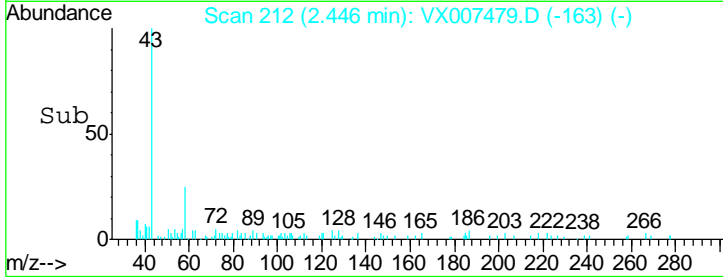
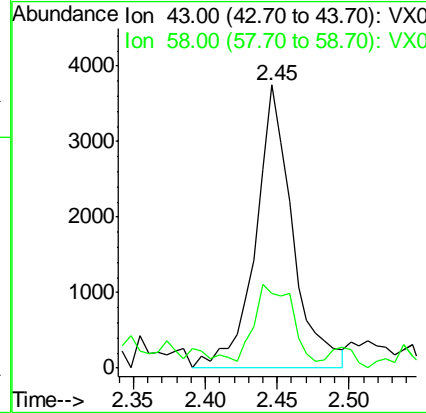
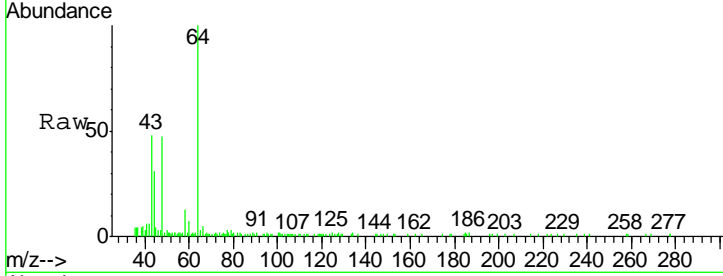




#16
 Acetone
 Concen: 2.481 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

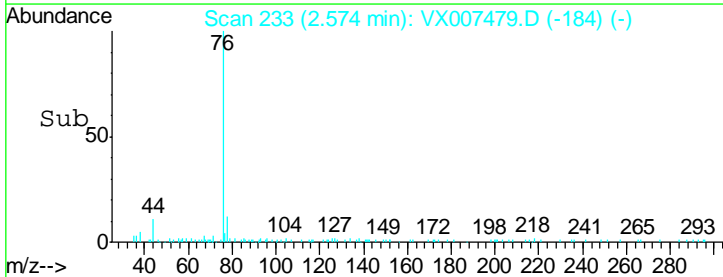
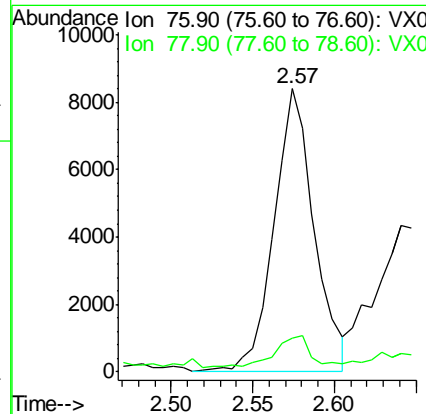
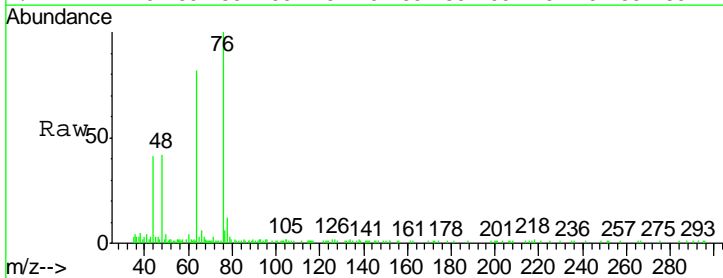
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

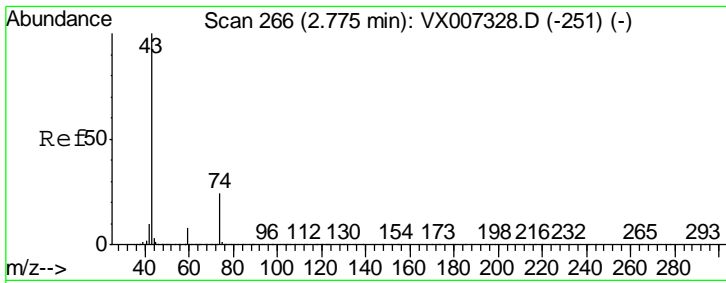
Tgt Ion: 43 Resp: 6628
 Ion Ratio Lower Upper
 43 100
 58 19.7 24.9 37.3#



#17
 Carbon Disulfide
 Concen: 3.123 ug/l
 RT: 2.57 min Scan# 233
 Delta R.T. 0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion: 76 Resp: 14359
 Ion Ratio Lower Upper
 76 100
 78 7.5 7.1 10.7

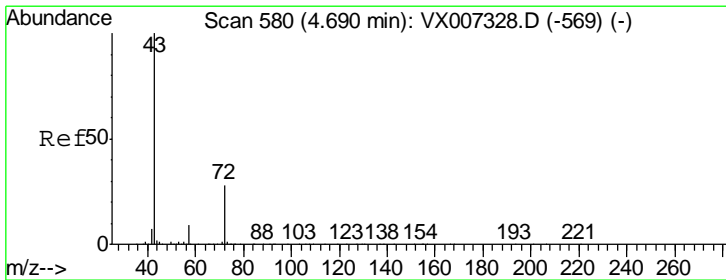
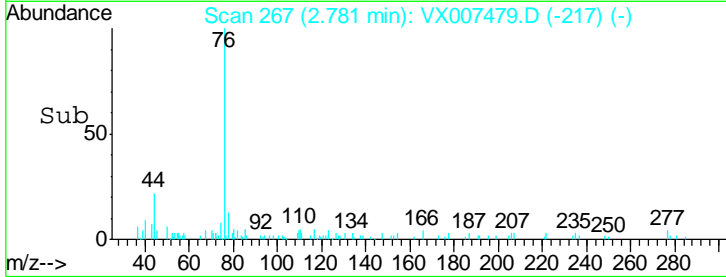
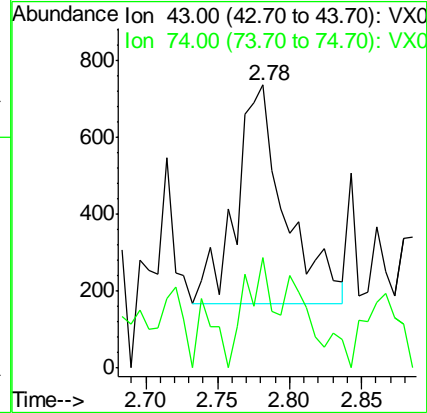
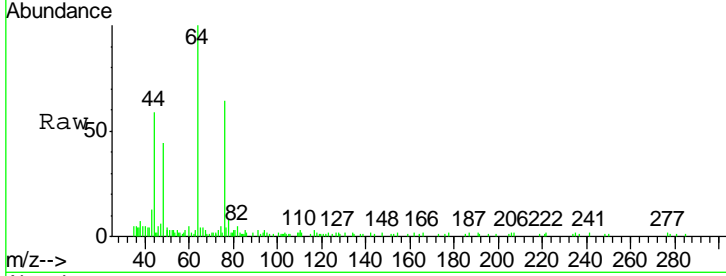




#18
 Methyl Acetate
 Concen: 0.783 ug/l
 RT: 2.78 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

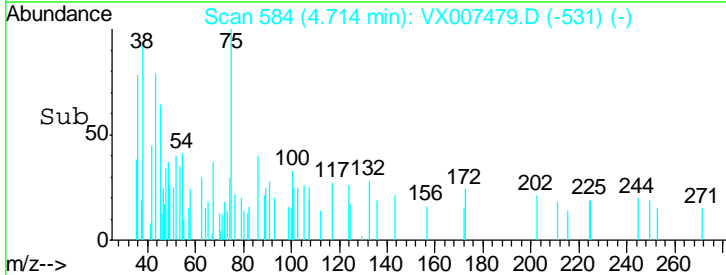
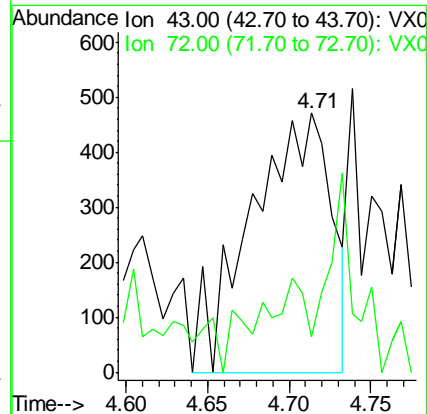
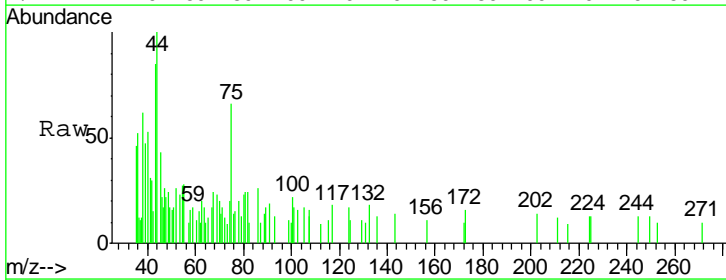
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 ClientSampled :
 B-11-OW

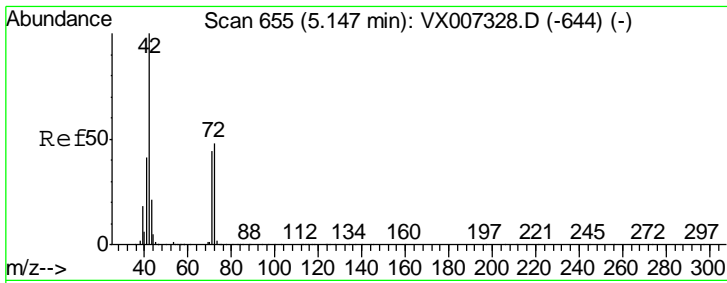
Tgt Ion	Resp	Lower	Upper
43	100		
74	29.7	19.4	29.2#



#25
 2-Butanone
 Concen: 0.423 ug/l
 RT: 4.71 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
43	100		
72	1.9	22.2	33.2#

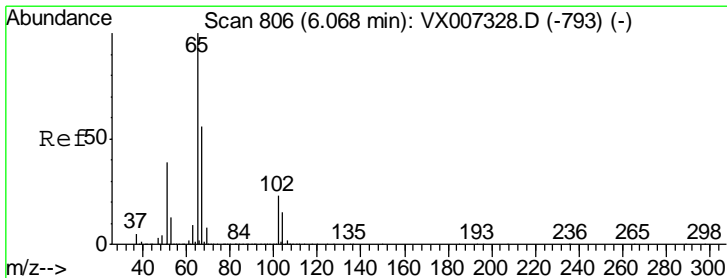
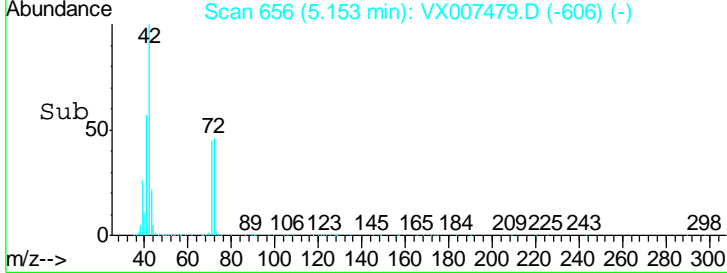
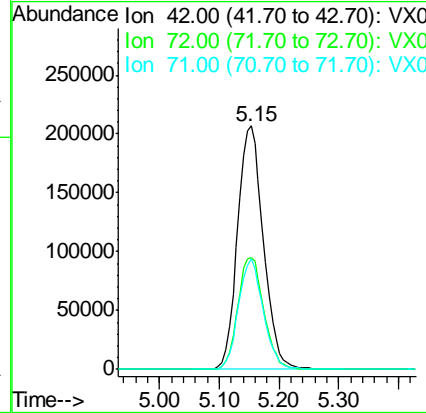
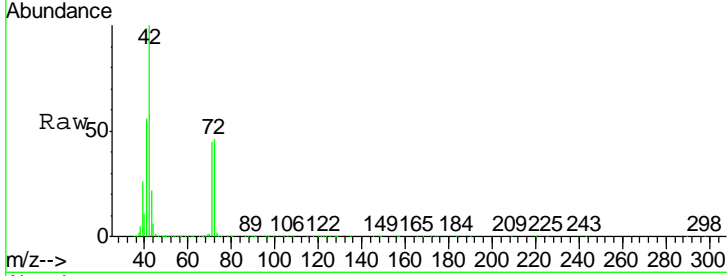




#29
 Tetrahydrofuran
 Concen: 260.820 ug/l
 RT: 5.15 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

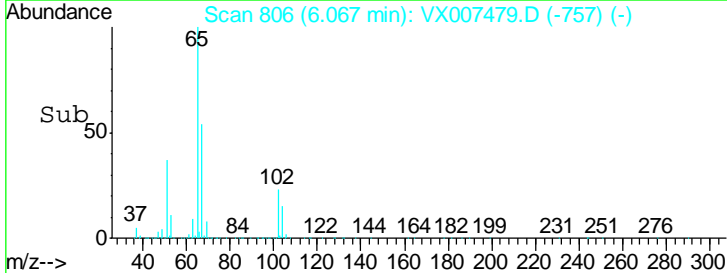
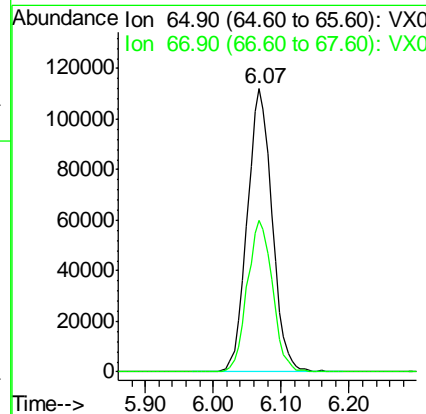
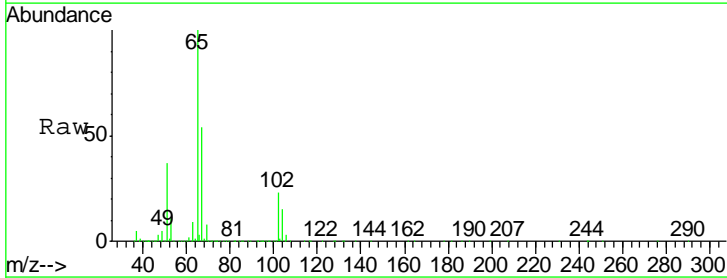
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

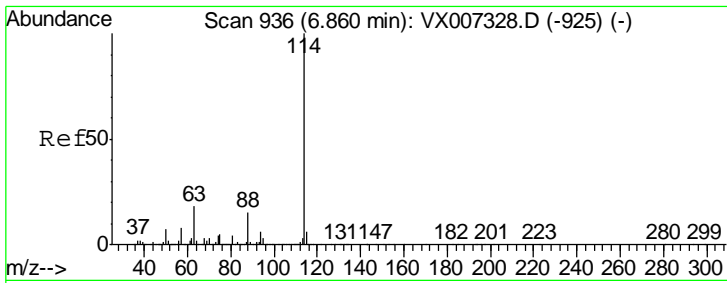
Tgt Ion	Resp	Lower	Upper
42	100		
72	46.3	37.6	56.4
71	43.7	34.6	51.8



#33
 1,2-Dichloroethane-d4
 Concen: 48.784 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	108.8

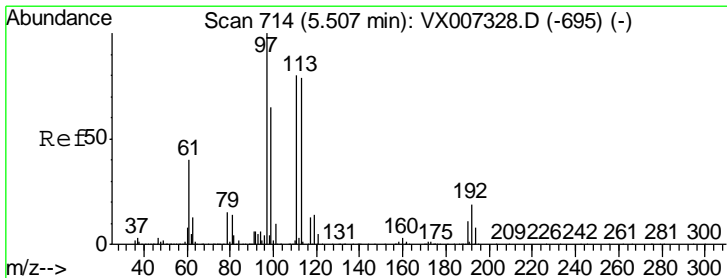
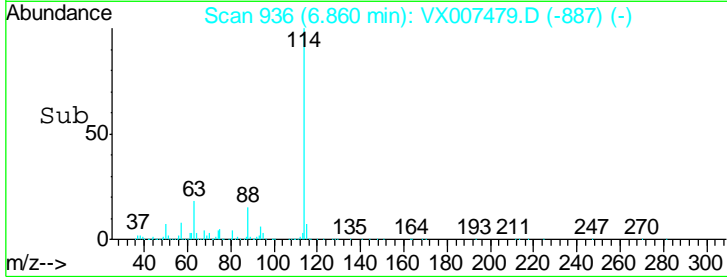
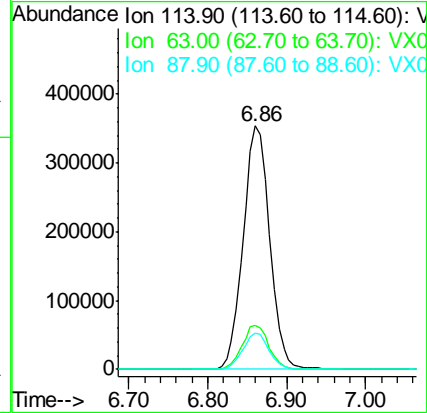
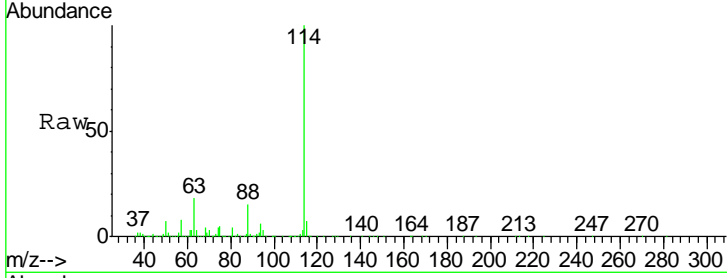




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

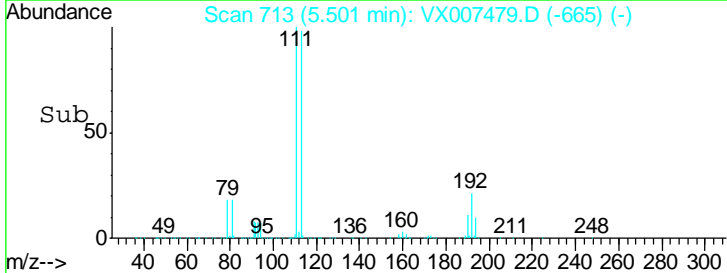
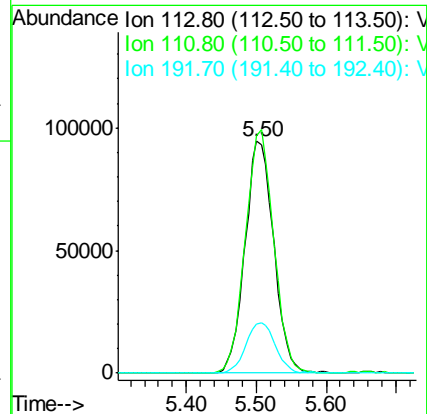
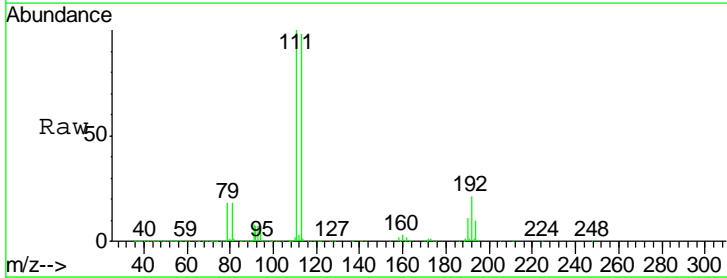
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

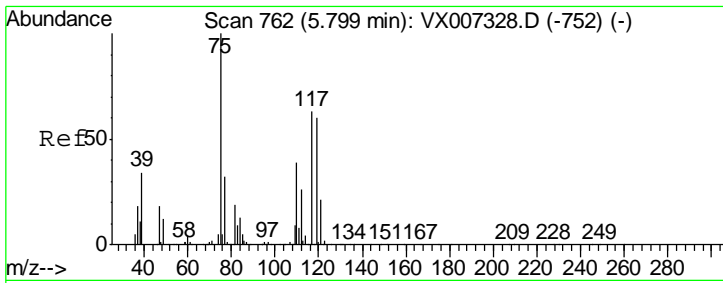
Tgt Ion	Resp	Lower	Upper
114	828972		
63	18.1	0.0	35.6
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.119 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
113	270331		
111	103.3	81.8	122.8
192	22.3	18.5	27.7

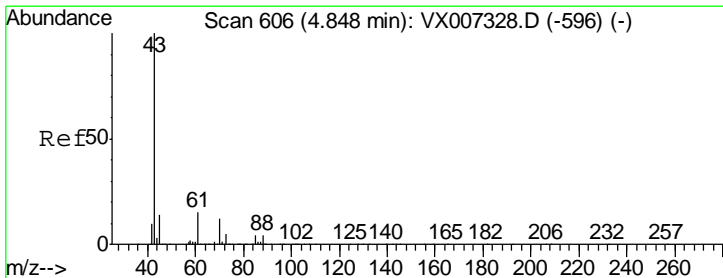
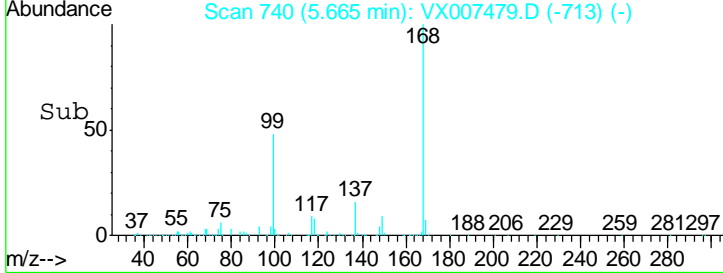
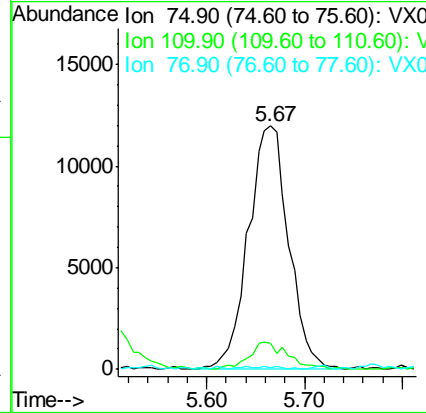
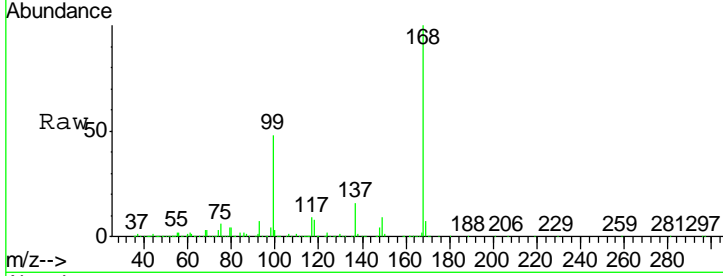




#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

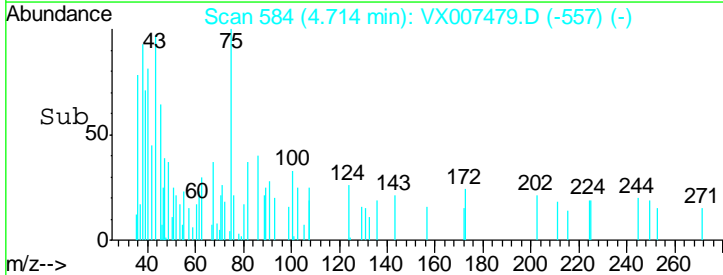
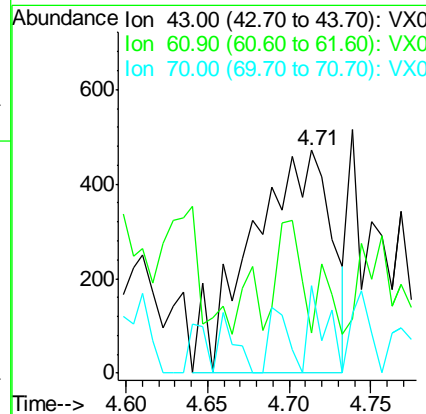
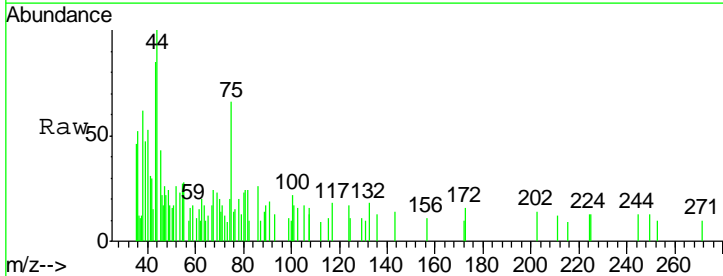
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

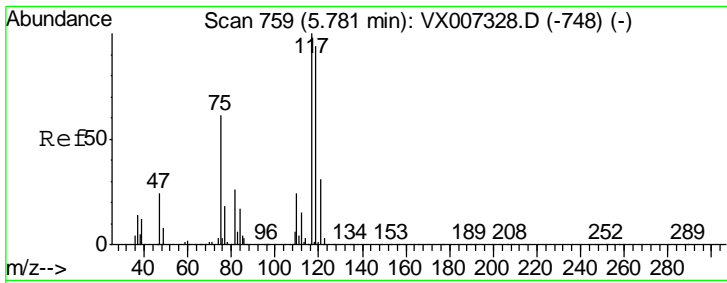
Tgt Ion	Resp	Lower	Upper
75	34333		
110	10.7	20.0	59.9#
77	0.4	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 0.214 ug/l
 RT: 4.71 min Scan# 584
 Delta R.T. -0.13 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
43	1610		
61	5.2	11.3	16.9#
70	8.8	8.6	13.0

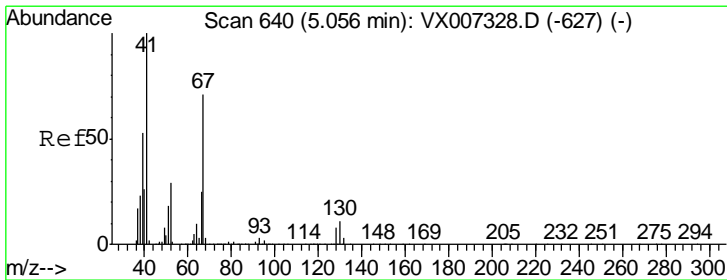
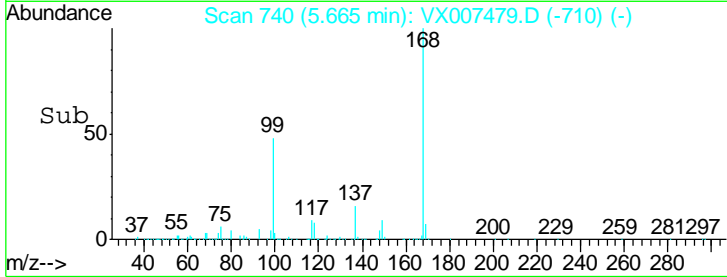
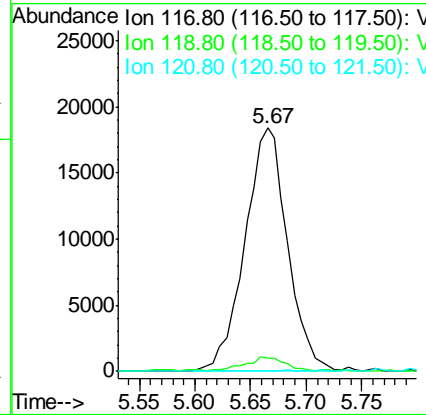
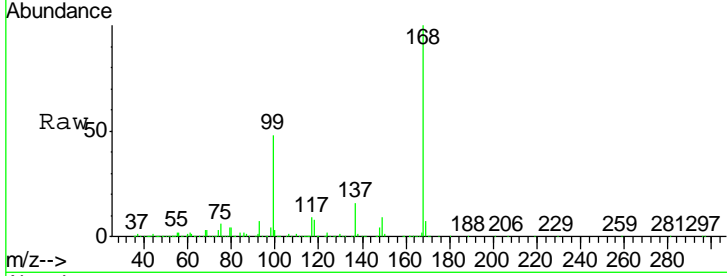




#38
 Carbon Tetrachloride
 Concen: 6.775 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

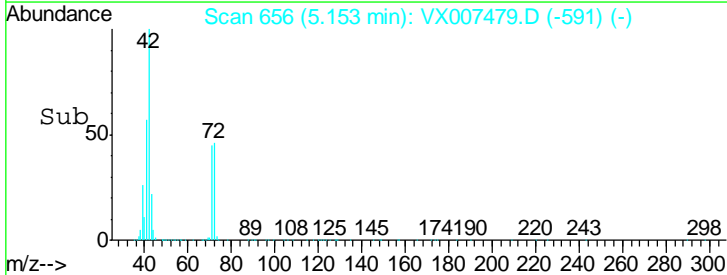
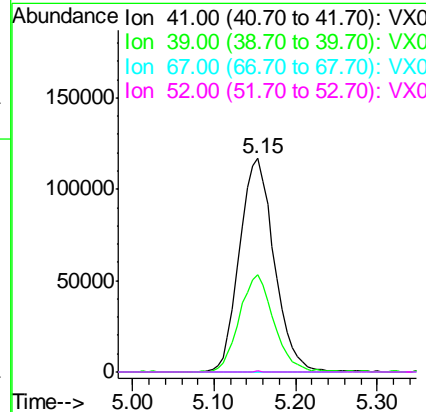
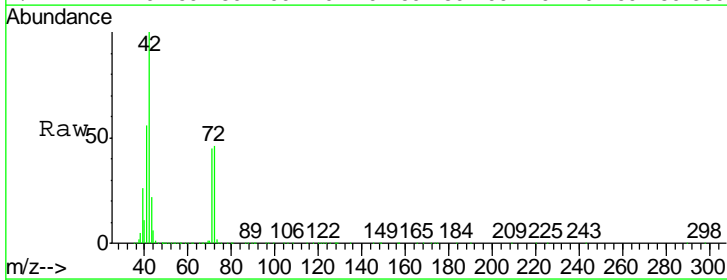
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

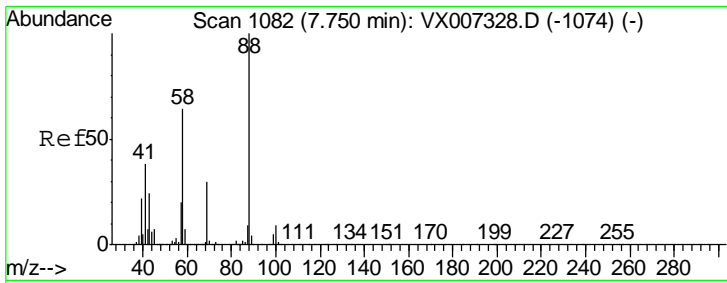
Tgt Ion	Resp	Lower	Upper
117	48891		
119	4.8	75.3	112.9#
121	0.0	25.0	37.4#



#41
 Methacrylonitrile
 Concen: 85.518 ug/l
 RT: 5.15 min Scan# 656
 Delta R.T. 0.10 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
41	344610		
39	45.4	44.5	66.7
67	0.1	60.4	90.6#
52	0.2	24.1	36.1#

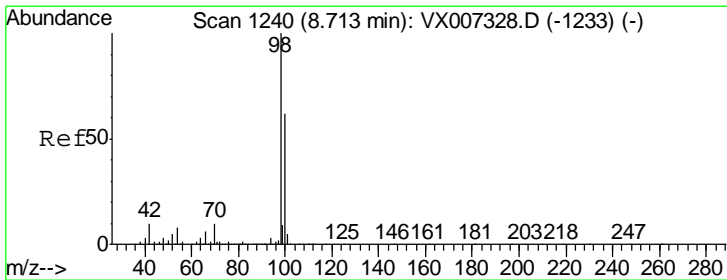
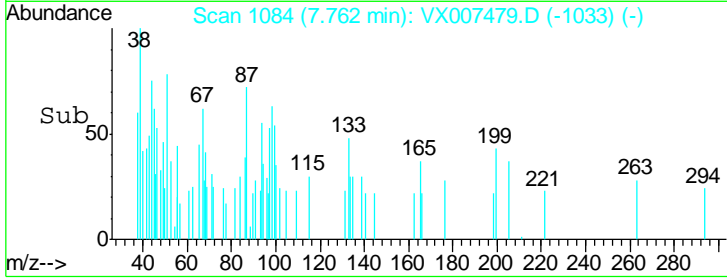
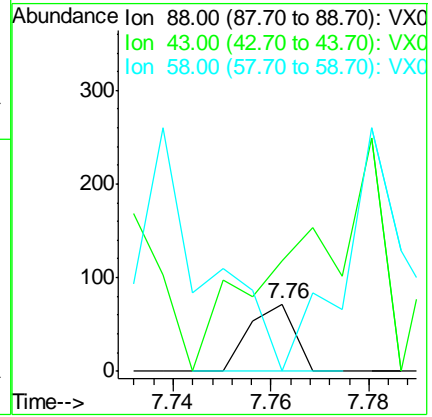
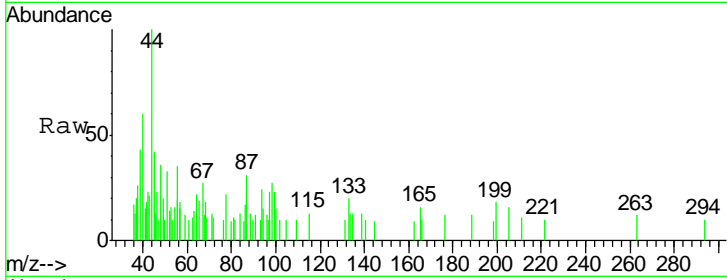




#49
 1,4-Dioxane
 Concen: 7.225 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

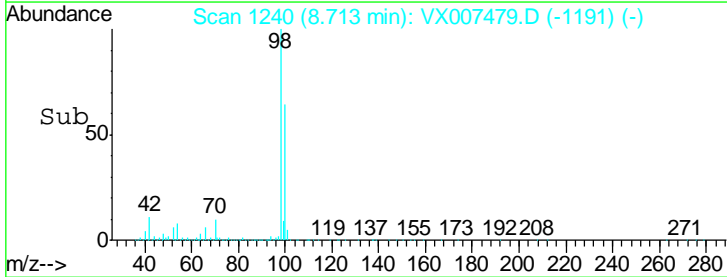
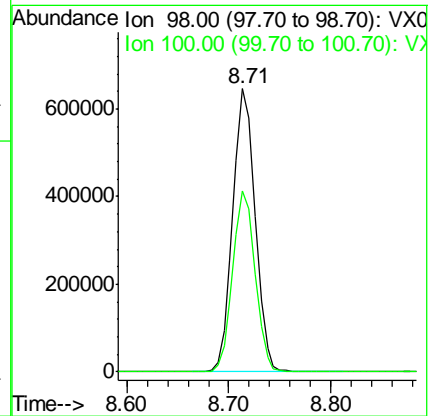
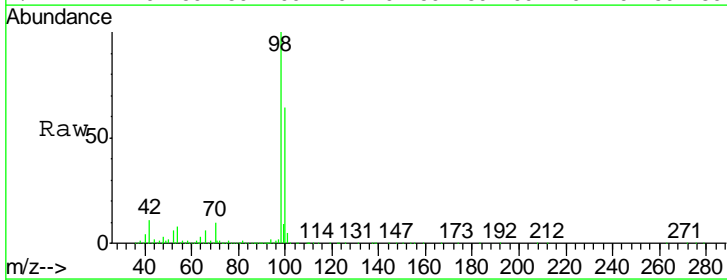
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

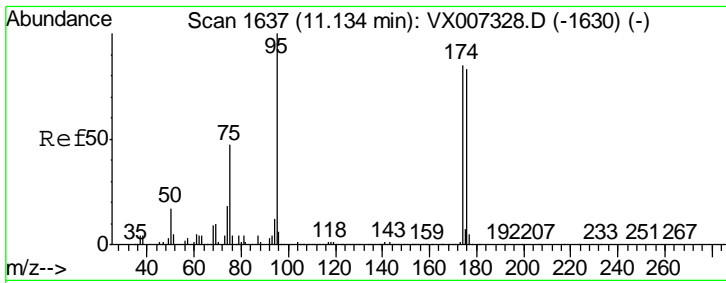
Tgt Ion	Resp	Lower	Upper
88	100		
43	437.0	24.2	36.4#
58	489.1	53.0	79.4#



#50
 Toluene-d8
 Concen: 49.044 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.8	51.6	77.4

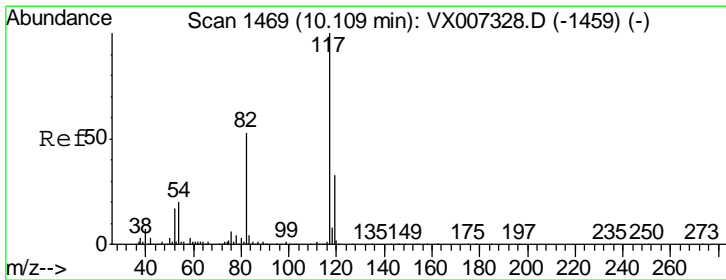
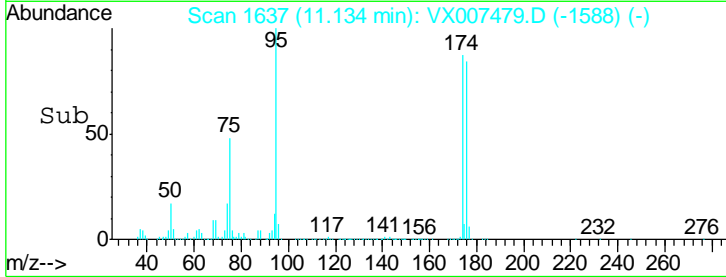
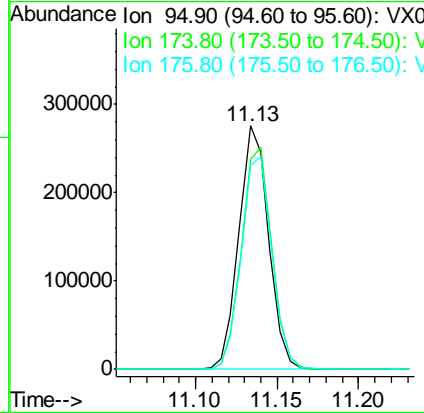
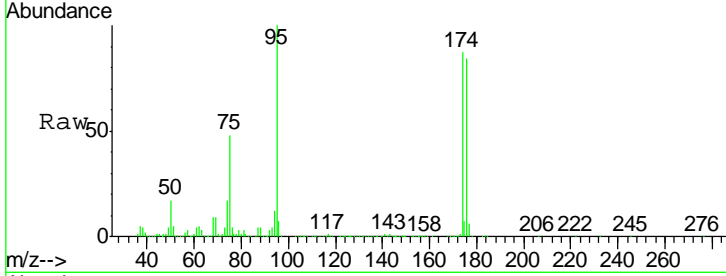




#62
 4-Bromofluorobenzene
 Concen: 47.932 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

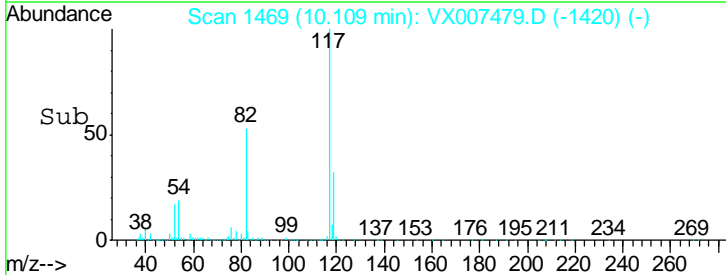
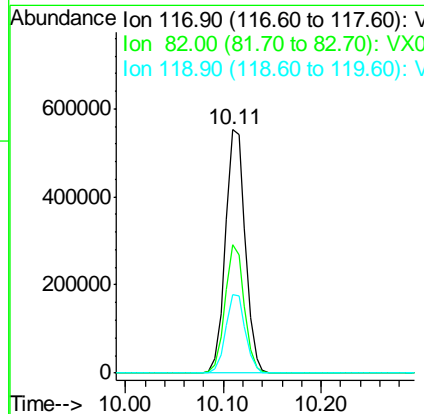
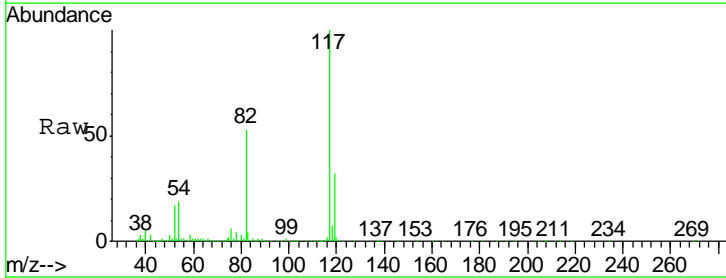
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

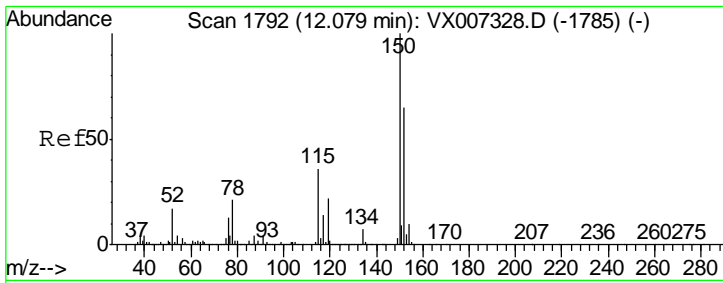
Tgt Ion	Resp	Lower	Upper
95	350212		
174	93.6	0.0	189.2
176	89.9	0.0	186.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
117	775628		
82	52.5	42.1	63.1
119	32.2	26.5	39.7

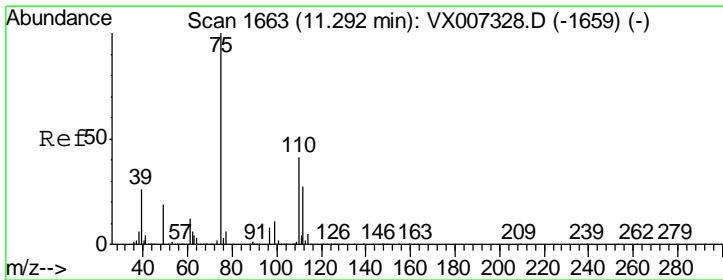
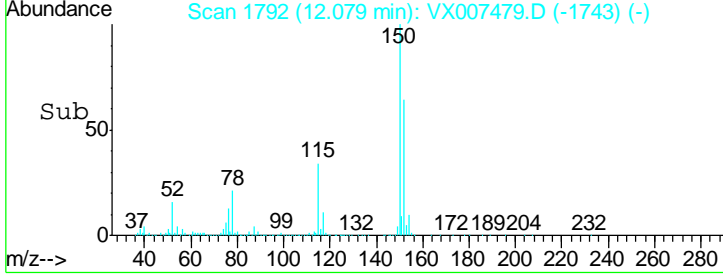
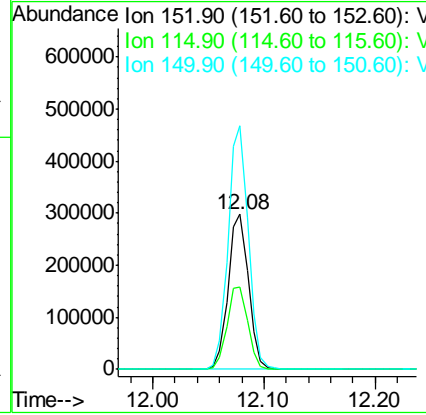
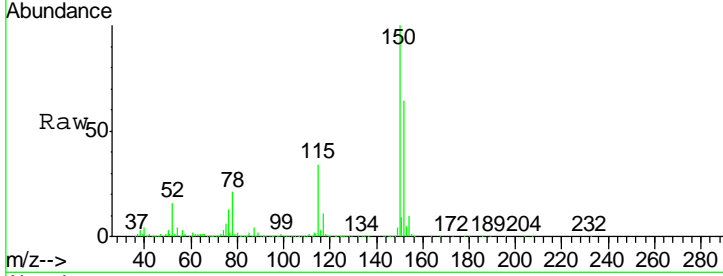




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

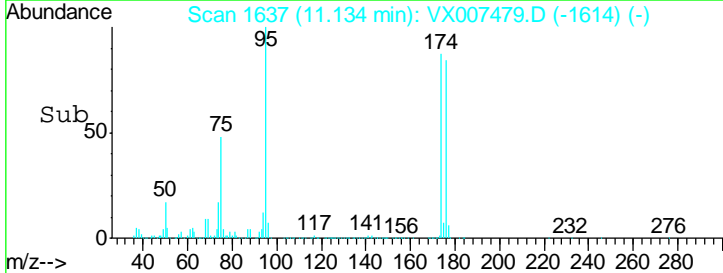
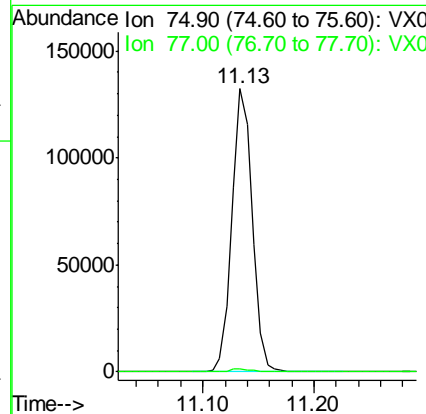
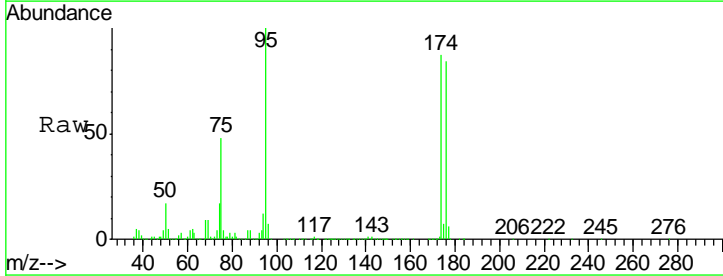
Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

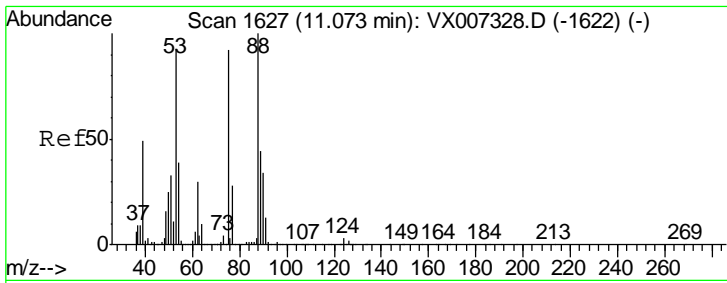
Tgt Ion	Resp	Lower	Upper
152	100		
115	54.7	38.0	114.0
150	156.1	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 22.950 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.4	23.0	69.0#

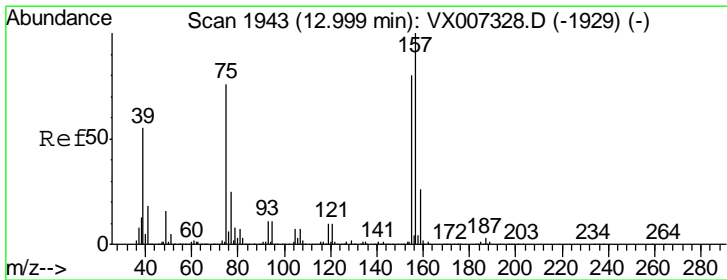
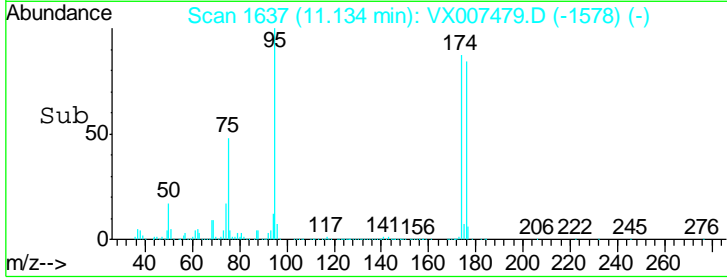
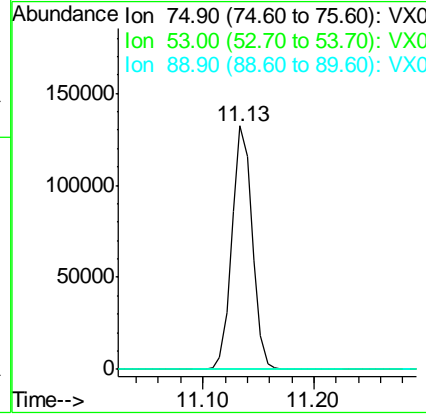
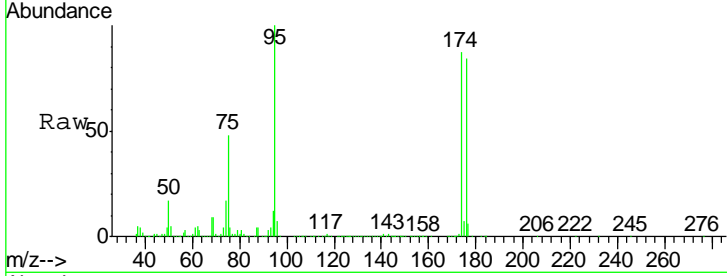




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.166 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Instrument :
 MSVOA_X
 ClientSampled :
 B-11-OW

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.2	81.0	121.6#
89	0.2	41.4	62.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.235 ug/l
 RT: 13.01 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VX007479.D
 Acq: 11 Feb 2019 20:12

Tgt Ion	Resp	Lower	Upper
75	100		
155	8.2	49.6	149.0#
157	0.0	65.1	195.3#

