

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004430.D
 Acq On : 08 Sep 2018 02:19
 Operator : JC/MD
 Sample : PB112672ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112672ZHE#06

Quant Time: Sep 08 04:59:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	291974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	483065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	451535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209793	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	5.50	113	186416	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	8.71	98	698363	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	248214	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

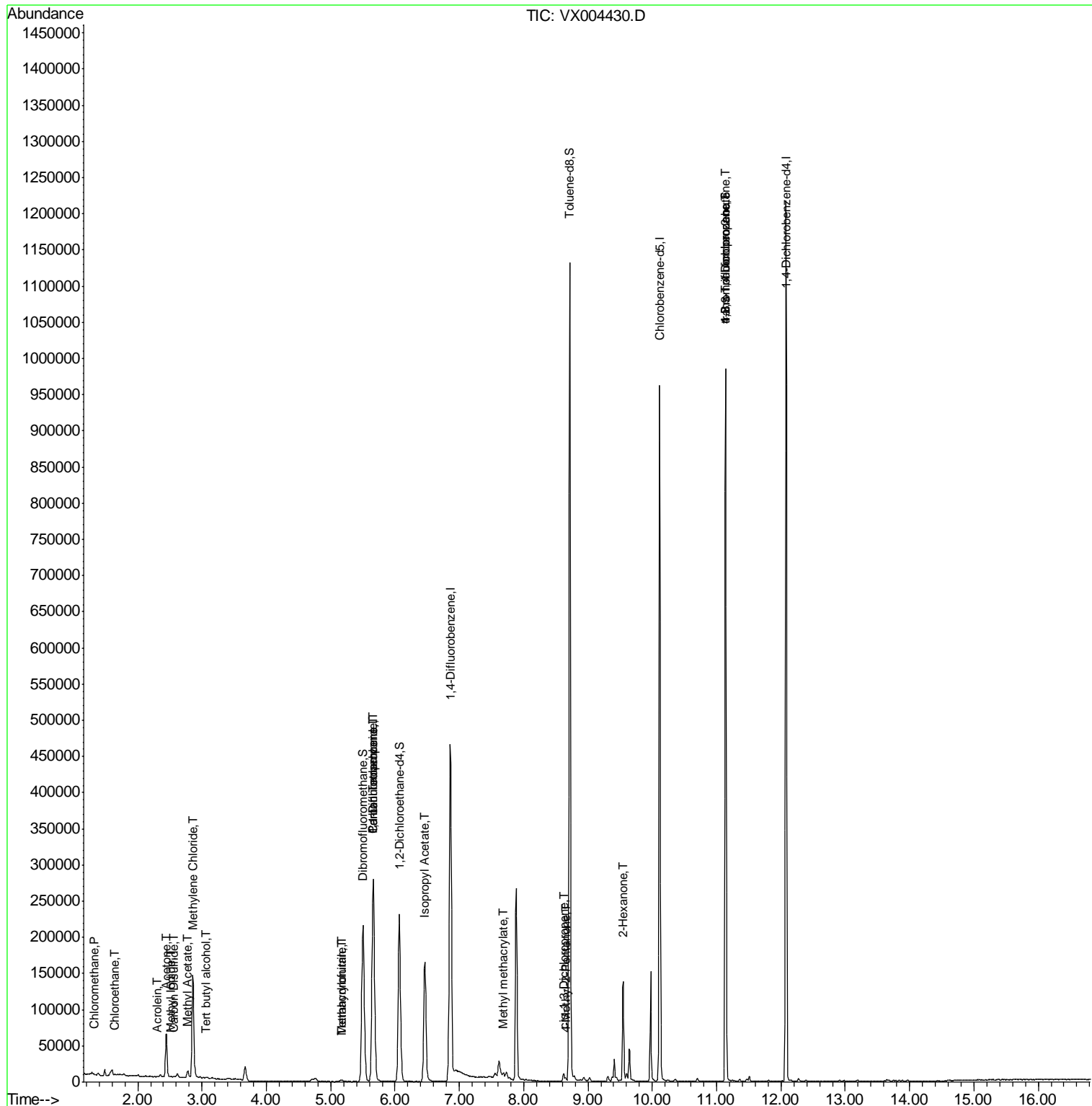
	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	659	0.47	ug/l	# 81
5) Bromomethane	1.67	94	878	Below	Cal	# 75
6) Chloroethane	1.63	64	8538	3.74	ug/l	# 53
10) Methyl Iodide	2.52	142	387	4.36	ug/l	# 87
11) Tert butyl alcohol	3.06	59	1254	1.55	ug/l	# 92
13) Acrolein	2.29	56	310	1.59	ug/l	# 16
16) Acetone	2.45	43	66618	35.97	ug/l	96
17) Carbon Disulfide	2.56	76	637	0.87	ug/l	# 82
18) Methyl Acetate	2.78	43	11756	2.08	ug/l	99
20) Methylene Chloride	2.85	84	66990	18.29	ug/l	96
25) 2-Butanone	4.70	43	6530	Below	Cal	# 89
29) Tetrahydrofuran	5.17	42	2212	1.35	ug/l	90
36) 1,1-Dichloropropene	5.66	75	18973	3.49	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	25363	4.96	ug/l	# 16
41) Methacrylonitrile	5.17	41	1422	0.46	ug/l	# 43
43) Isopropyl Acetate	6.46	43	212644	25.91	ug/l	100
48) Methyl methacrylate	7.68	41	8559	1.95	ug/l	# 21
51) 4-Methyl-2-Pentanone	8.65	43	2022	0.34	ug/l	# 74
54) cis-1,3-Dichloropropene	8.62	75	1727	0.29	ug/l	# 71
59) 2-Hexanone	9.54	43	14655	3.22	ug/l	# 59
76) 1,2,3-Trichloropropane	11.14	75	116230	21.85	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	116230	70.91	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	161	Below	Cal	# 70

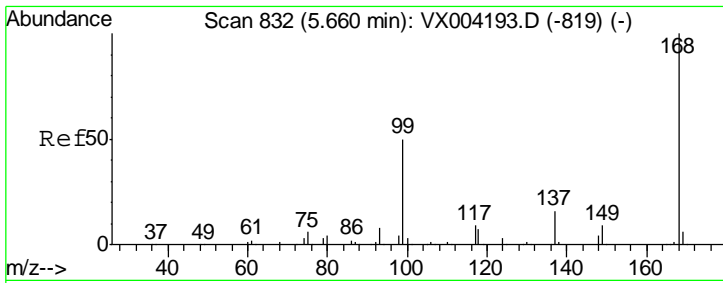
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 08 04:59:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

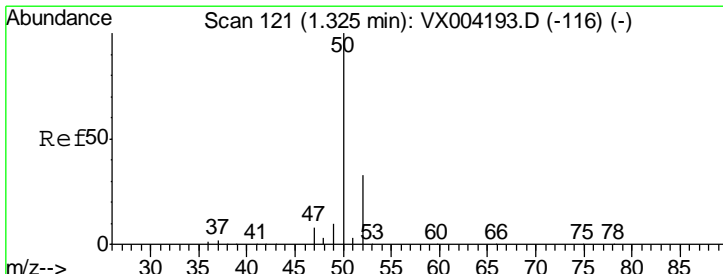
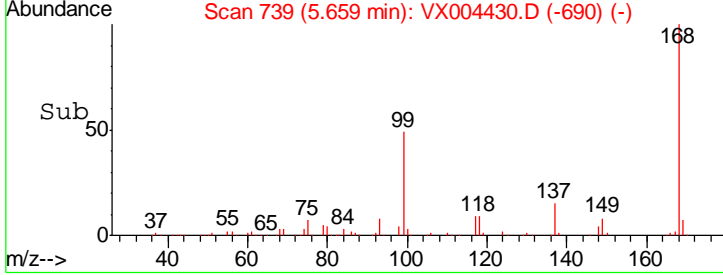
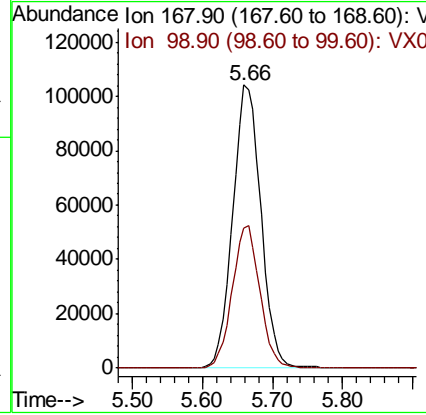
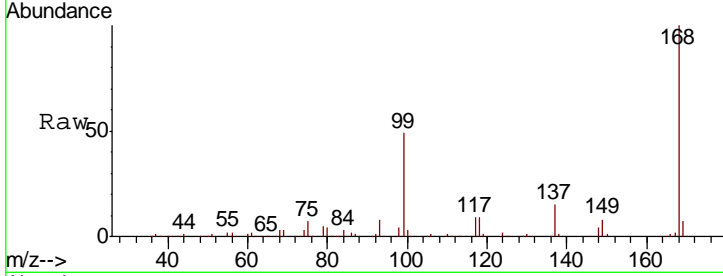




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

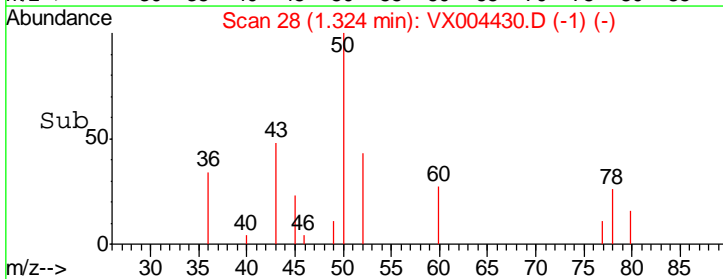
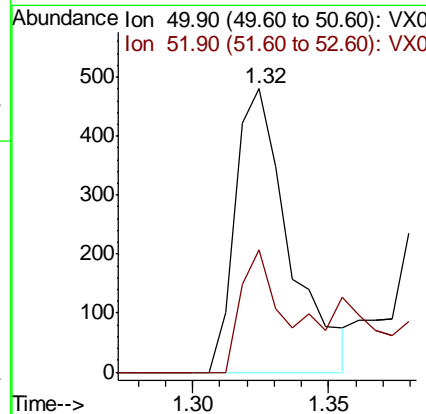
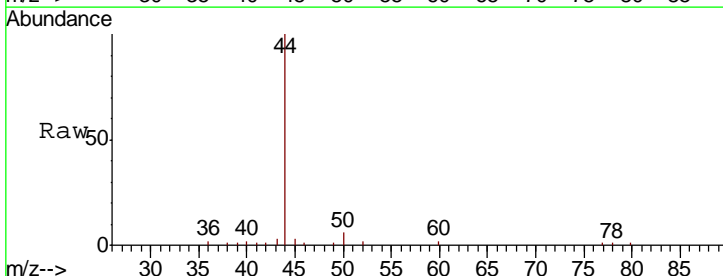
Instrument : MSVOA_X
 ClientSampleId : PB112672ZHE#06

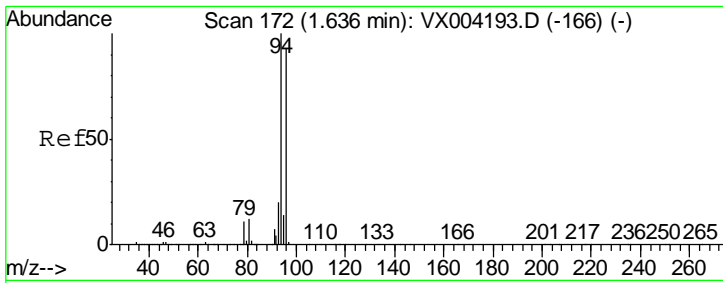
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.3	39.9	59.9



#3
 Chloromethane
 Concen: 0.47 ug/l
 RT: 1.32 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
50	100		
52	43.1	26.2	39.2#

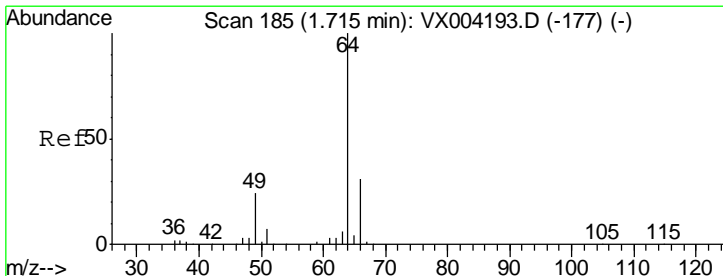
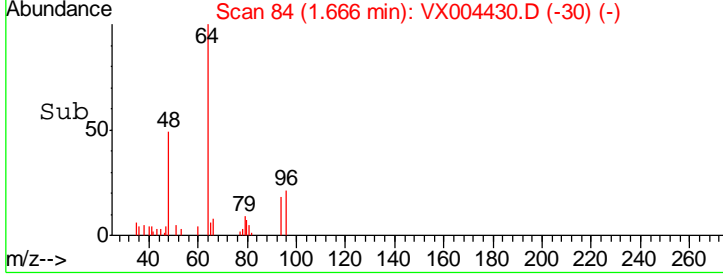
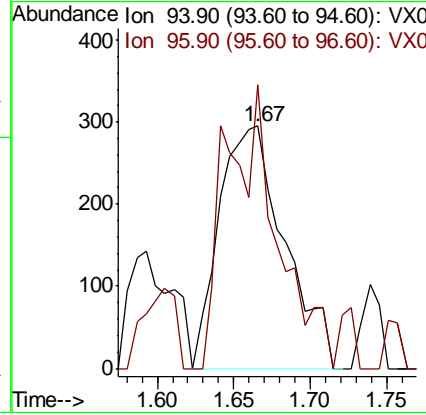
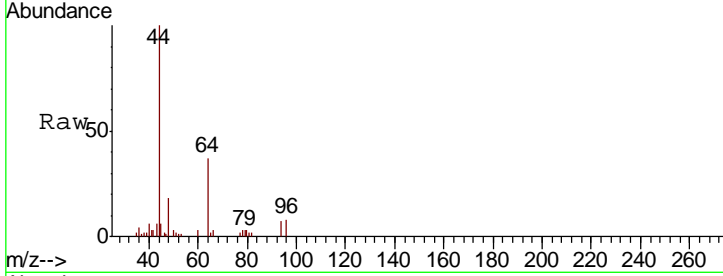




#5
 Bromomethane
 Concen: Below Cal
 RT: 1.67 min Scan# 84
 Delta R.T. 0.03 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

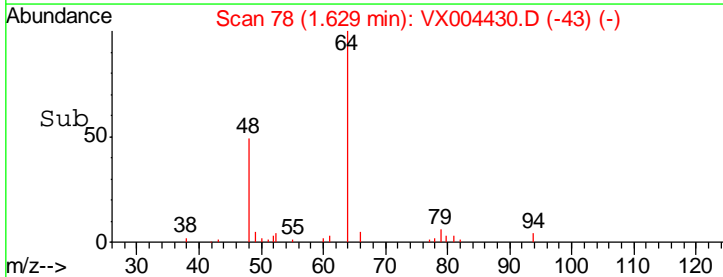
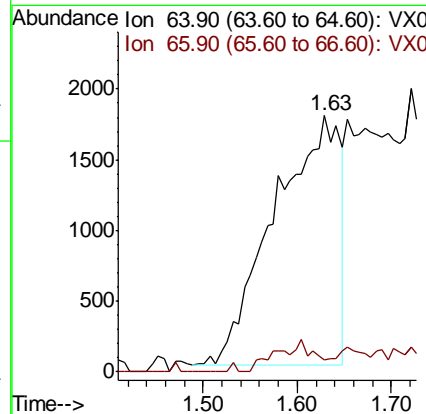
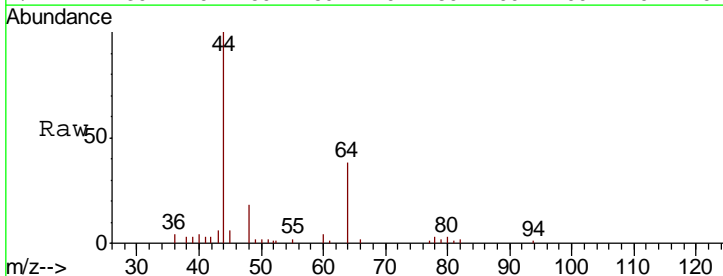
Instrument : MSVOA_X
 ClientSampleId : PB112672ZHE#06

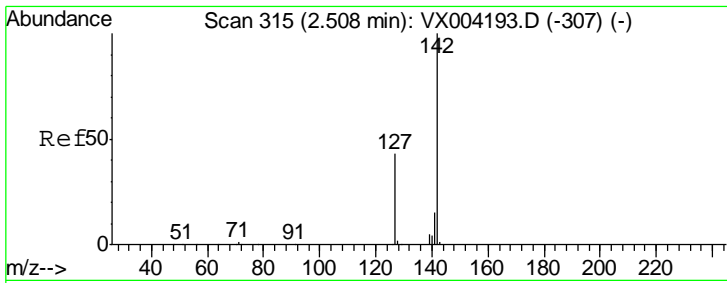
Tgt Ion: 94 Resp: 878
 Ion Ratio Lower Upper
 94 100
 96 116.9 74.5 111.7#



#6
 Chloroethane
 Concen: 3.74 ug/l
 RT: 1.63 min Scan# 78
 Delta R.T. -0.09 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 64 Resp: 8538
 Ion Ratio Lower Upper
 64 100
 66 5.0 24.6 36.8#

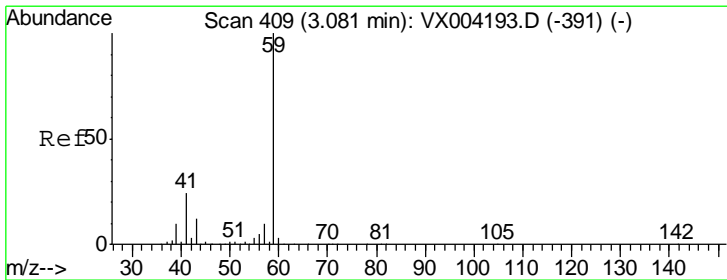
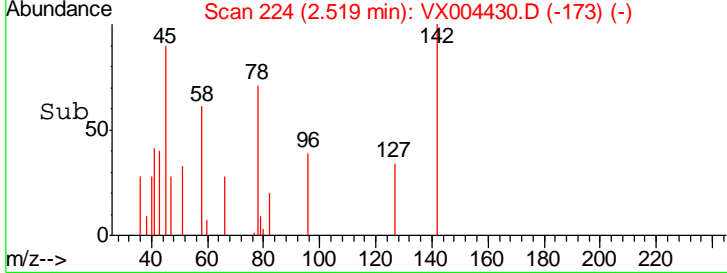
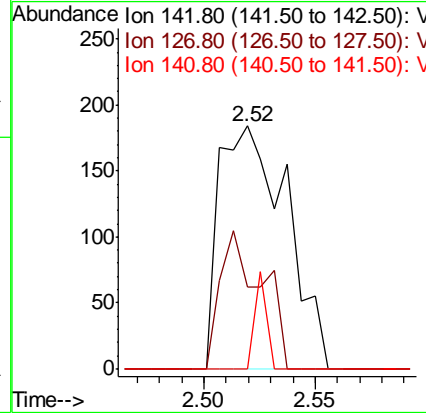
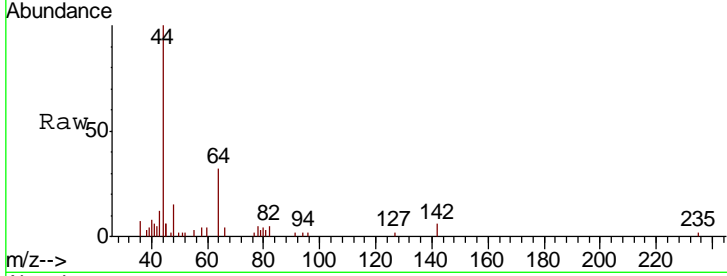




#10
Methyl Iodide
Concen: 4.36 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004430.D
Acq: 08 Sep 2018 02:19

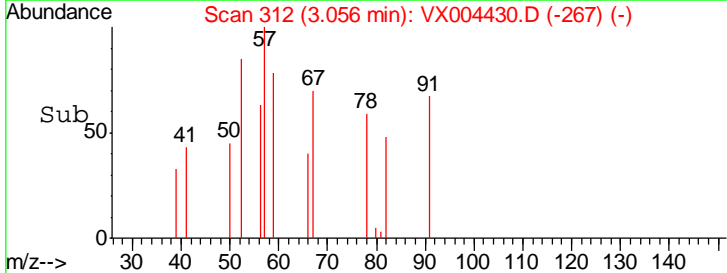
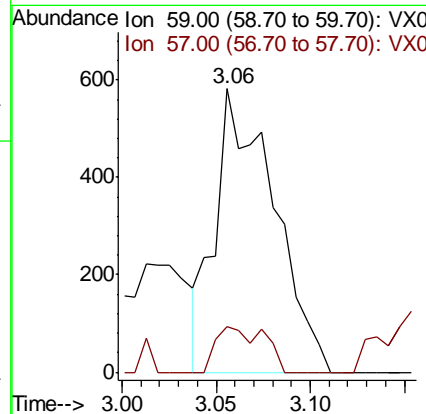
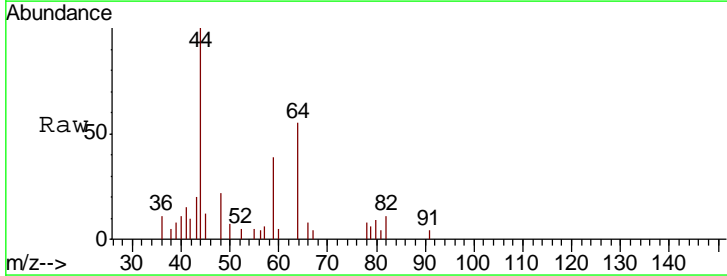
Instrument :
MSVOA_X
ClientSampleId :
PB112672ZHE#06

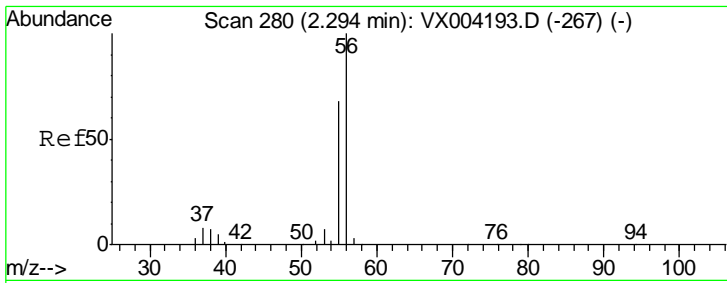
Tgt Ion	Resp	Lower	Upper
142	387		
127	35.1	33.8	50.6
141	7.0	11.4	17.0#



#11
Tert butyl alcohol
Concen: 1.55 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004430.D
Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
59	1254		
57	13.2	8.2	12.4#

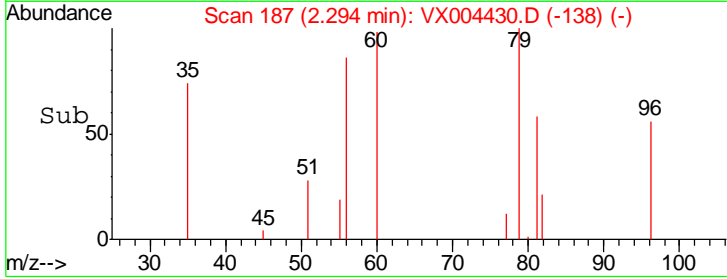
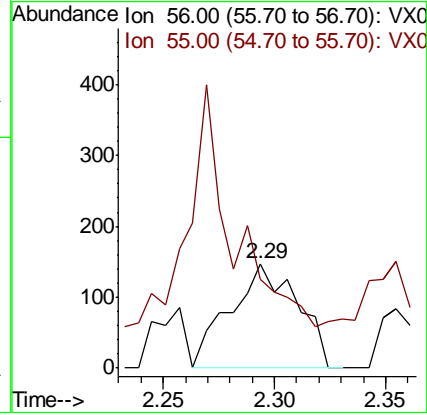
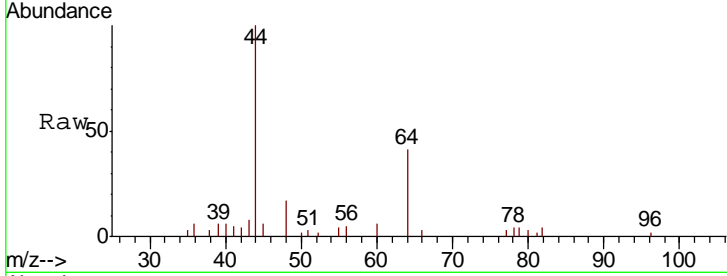




#13
 Acrolein
 Concen: 1.59 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

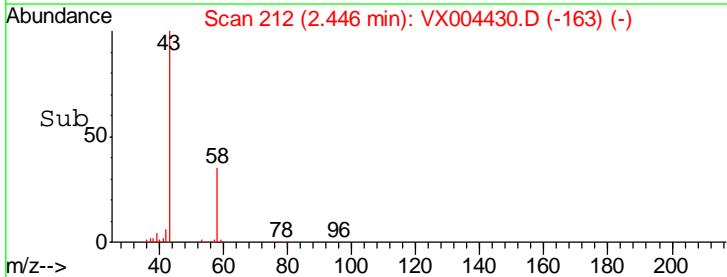
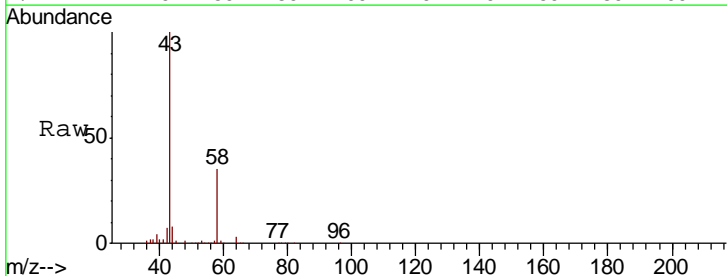
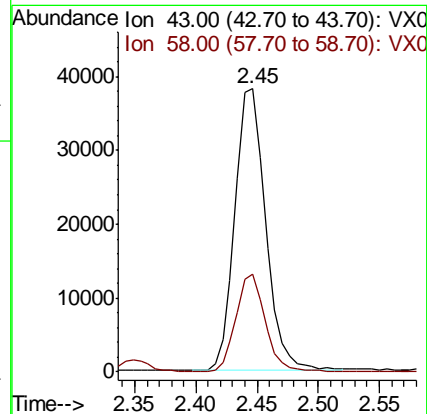
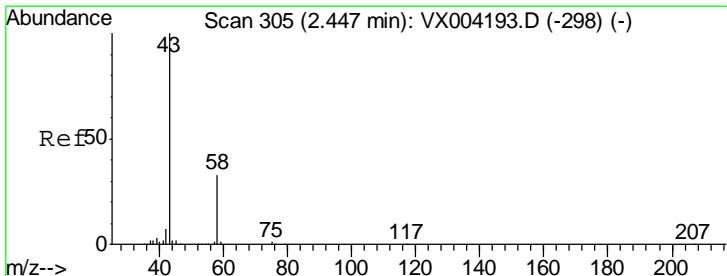
Instrument : MSVOA_X
 ClientSampleId : PB112672ZHE#06

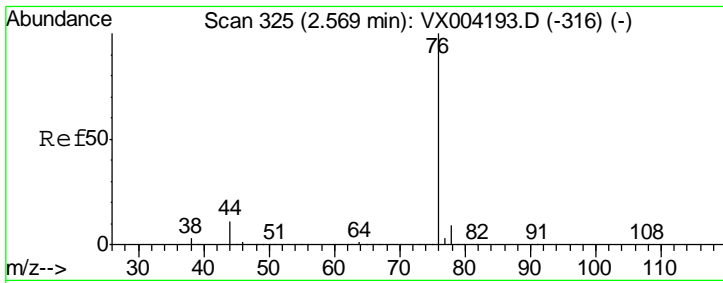
Tgt Ion: 56 Resp: 310
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#



#16
 Acetone
 Concen: 35.97 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 43 Resp: 66618
 Ion Ratio Lower Upper
 43 100
 58 34.8 26.2 39.4

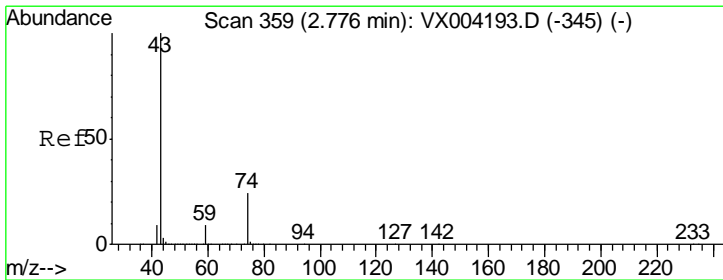
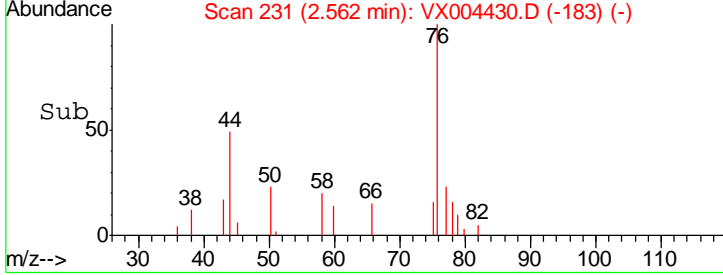
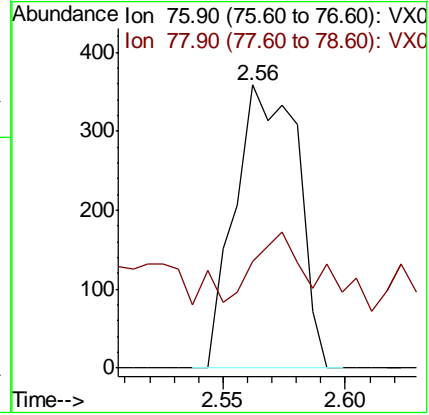
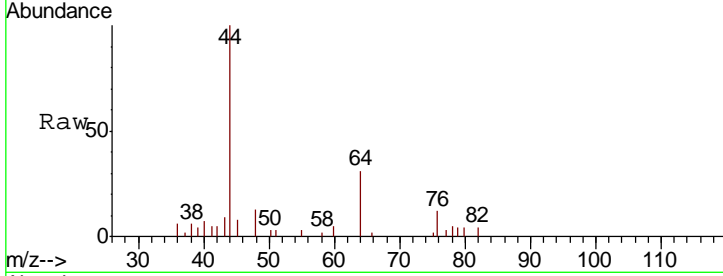




#17
 Carbon Disulfide
 Concen: 0.87 ug/l
 RT: 2.56 min Scan# 231
 Delta R.T. -0.01 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

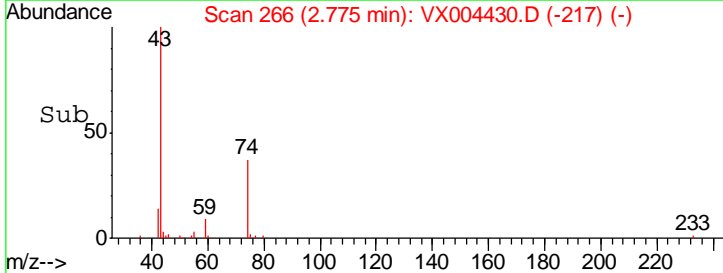
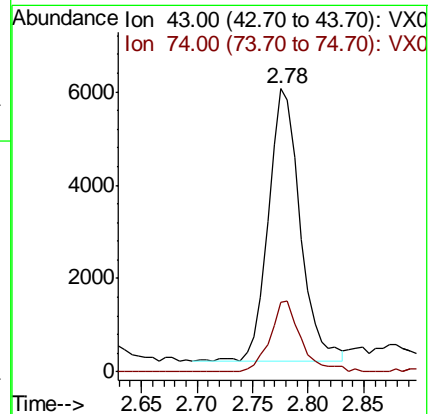
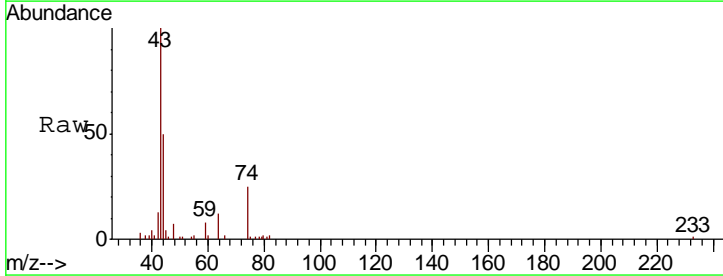
Instrument : MSVOA_X
 ClientSampleId : PB112672ZHE#06

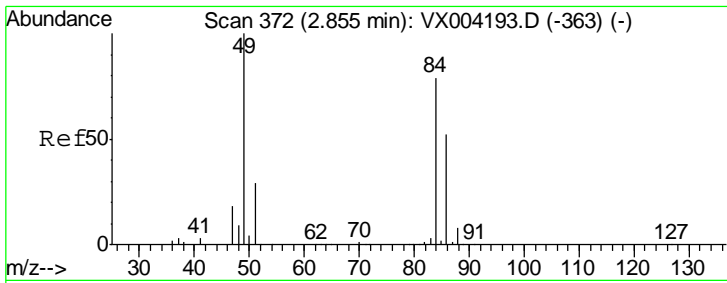
Tgt Ion	Resp	Lower	Upper
76	637		
78	15.4	7.0	10.6#



#18
 Methyl Acetate
 Concen: 2.08 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
43	11756		
74	24.9	19.4	29.2

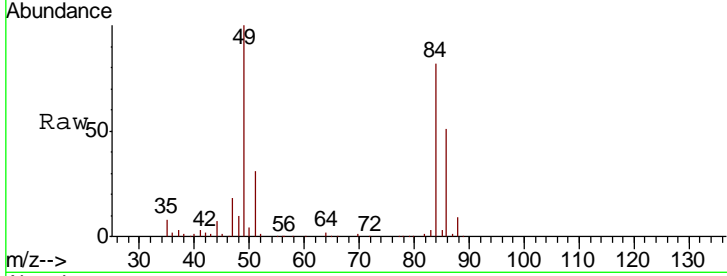




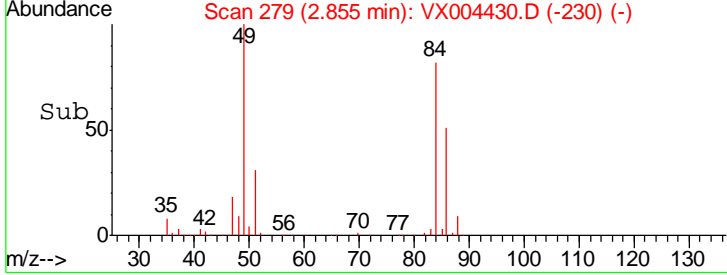
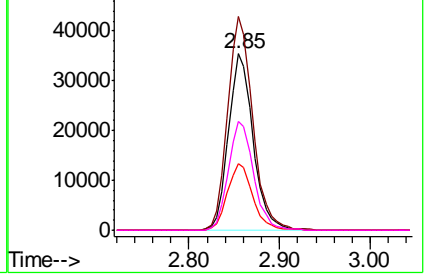
#20
 Methylene Chloride
 Concen: 18.29 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Instrument : MSVOA_X
 ClientSampled : PB112672ZHE#06

Tgt Ion	Resp	Lower	Upper
84	100		
49	121.2	101.2	151.8
51	37.9	29.5	44.3
86	61.6	52.3	78.5

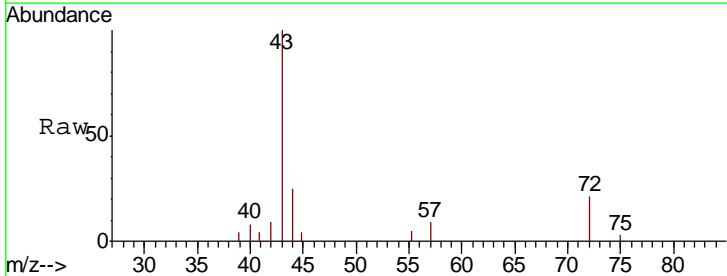


Abundance Ion 83.90 (83.60 to 84.60): VX0
 Ion 48.90 (48.60 to 49.60): VX0
 Ion 50.90 (50.60 to 51.60): VX0
 Ion 85.90 (85.60 to 86.60): VX0

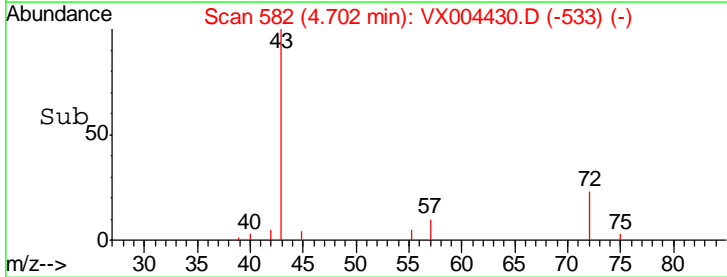
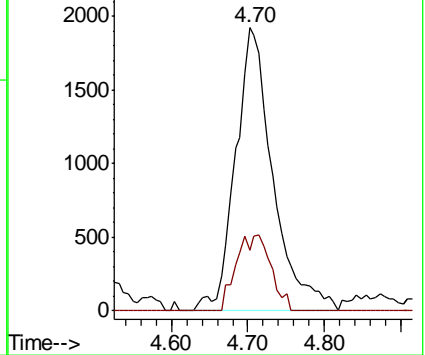


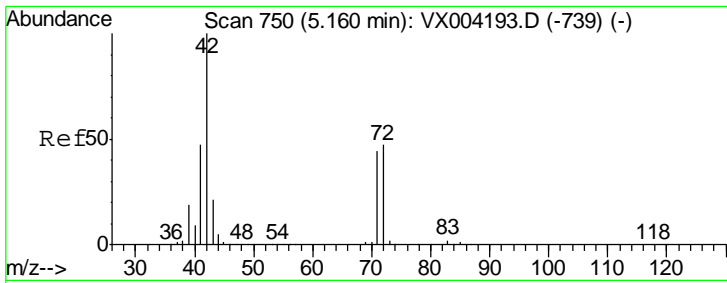
#25
 2-Butanone
 Concen: Below Cal
 RT: 4.70 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
43	100		
72	21.5	22.0	33.0#



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

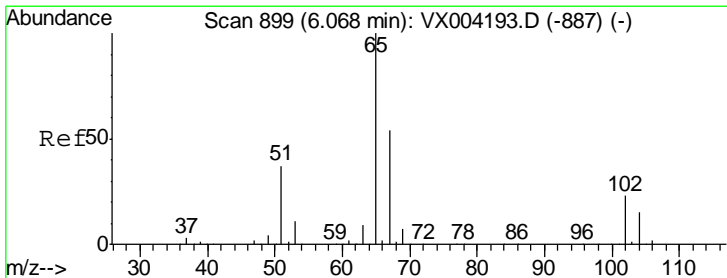
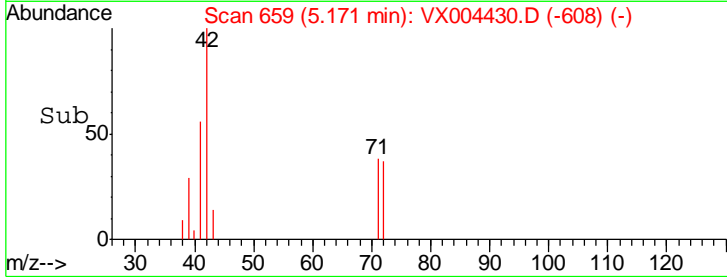
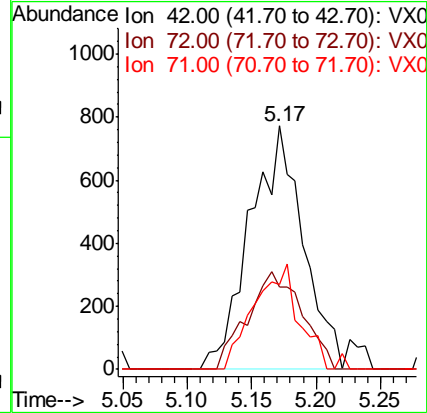
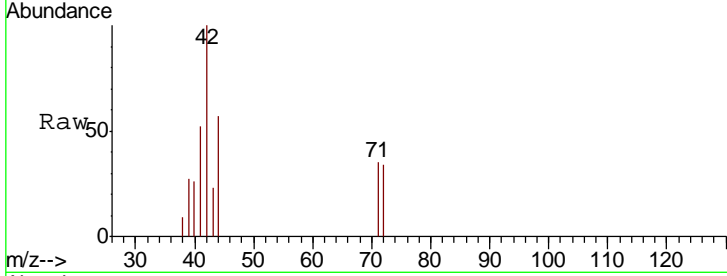




#29
 Tetrahydrofuran
 Concen: 1.35 ug/l
 RT: 5.17 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

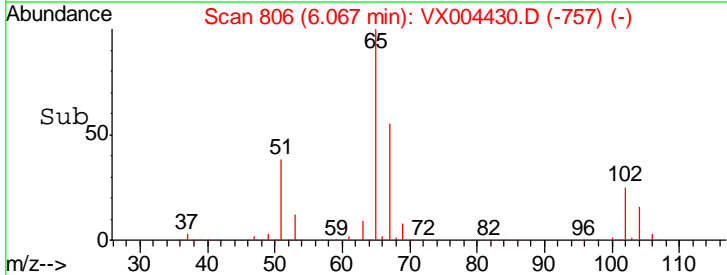
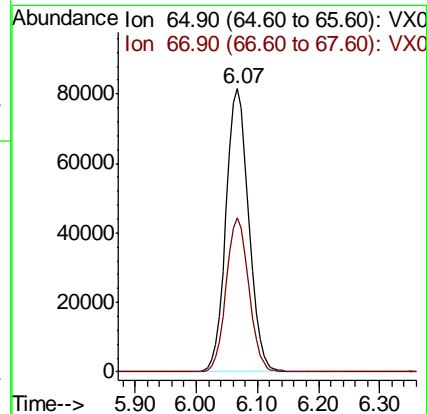
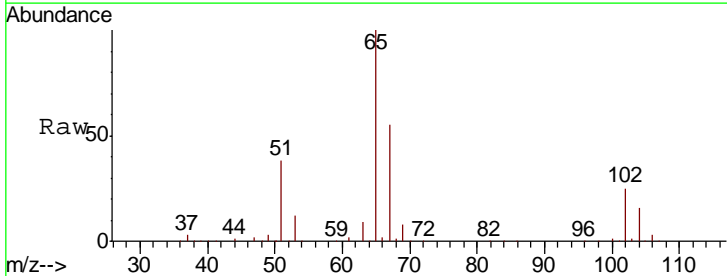
Instrument :
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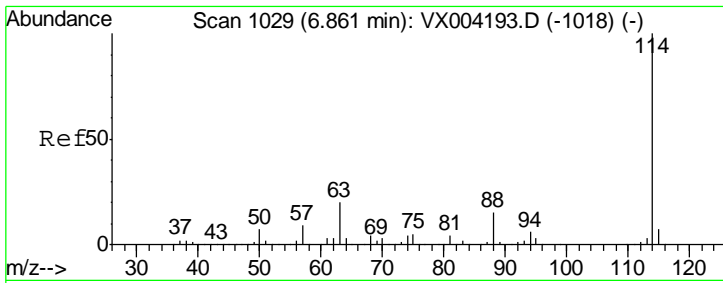
Tgt Ion	Resp	Lower	Upper
42	2212		
72	41.2	37.4	56.0
71	36.1	34.5	51.7



#33
 1,2-Dichloroethane-d4
 Concen: 55.13 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
65	209793		
67	54.1	0.0	106.8

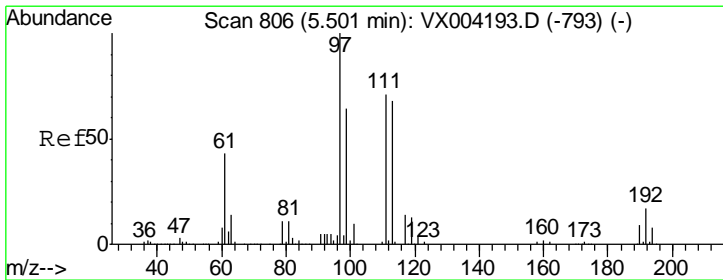
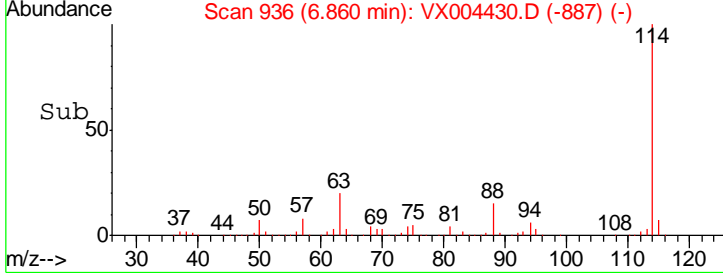
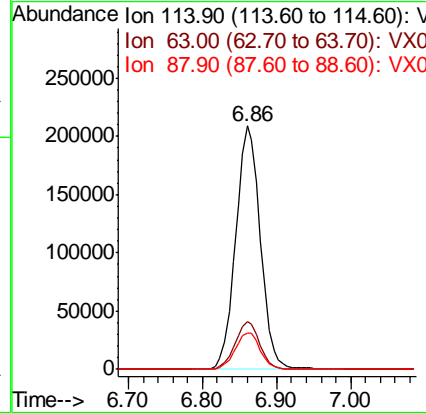
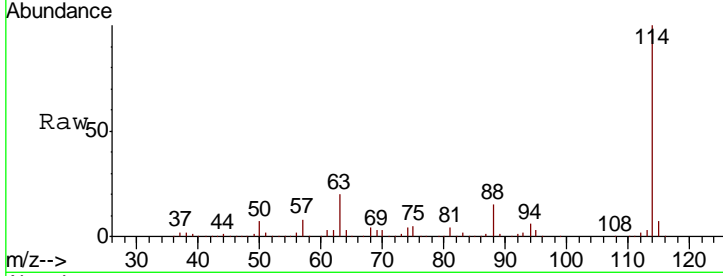




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

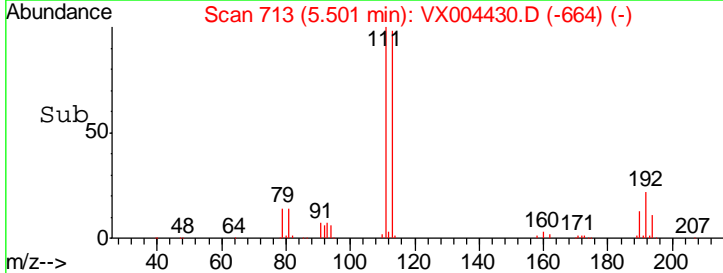
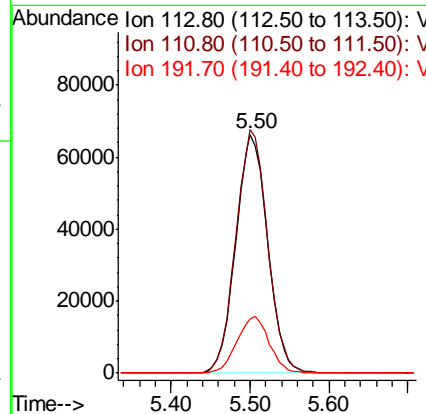
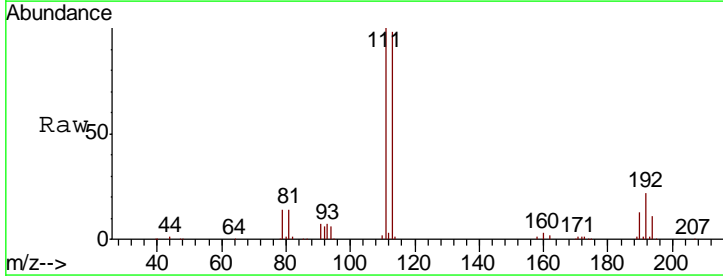
Instrument : MSVOA_X
 ClientSampleId : PB112672ZHE#06

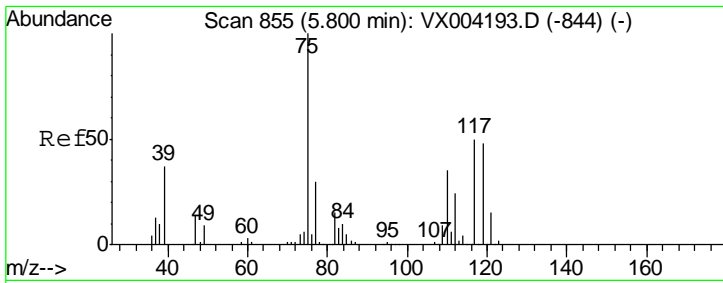
Tgt Ion	Resp	Lower	Upper
114	483065		
63	19.8	0.0	39.0
88	14.8	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.87 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
113	186416		
111	101.6	82.4	123.6
192	23.9	19.4	29.2

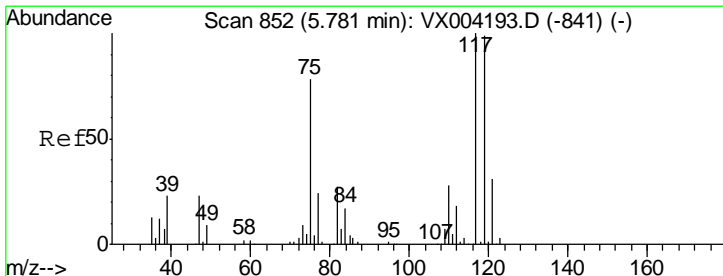
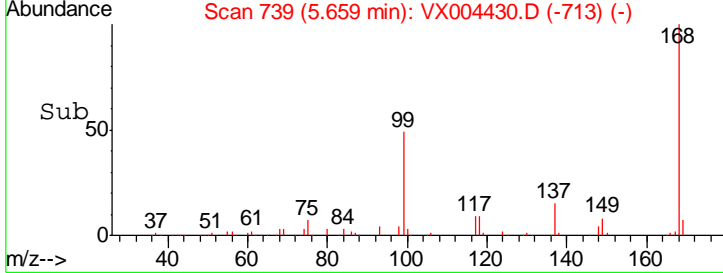
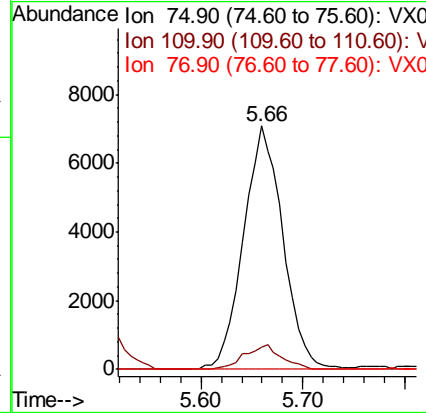
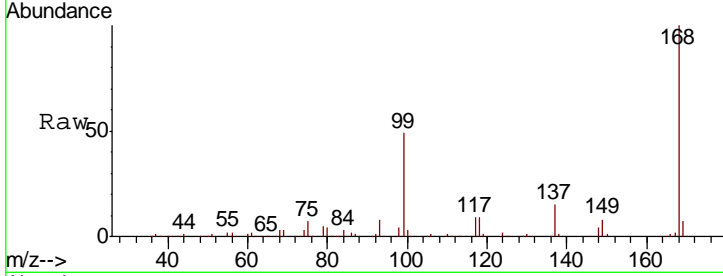




#36
 1,1-Dichloropropene
 Concen: 3.49 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

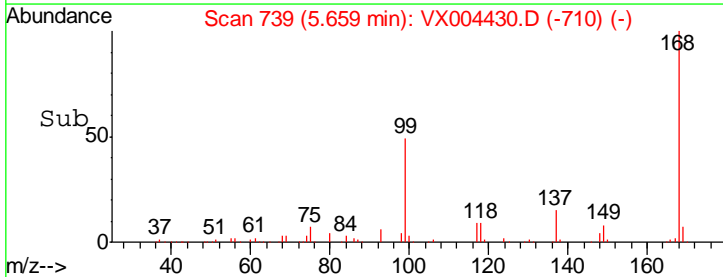
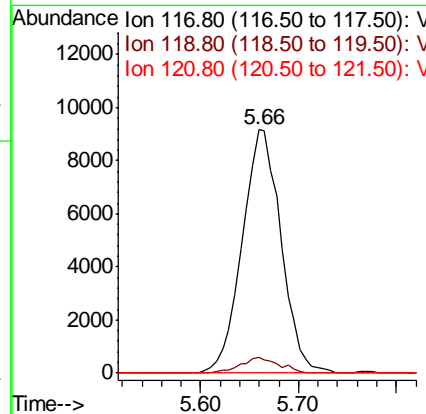
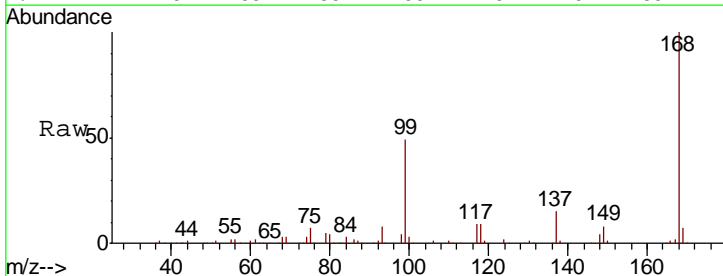
Instrument :
 MSVOA_X
 ClientSampleId :
 PB112672ZHE#06

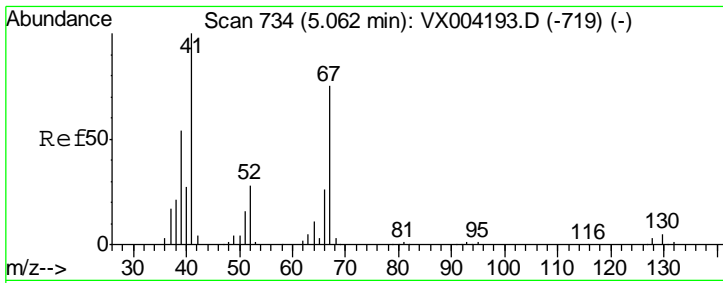
Tgt Ion	Resp	Lower	Upper
75	18973		
110	9.5	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.96 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
117	25363		
119	6.3	78.8	118.2#
121	0.0	24.9	37.3#

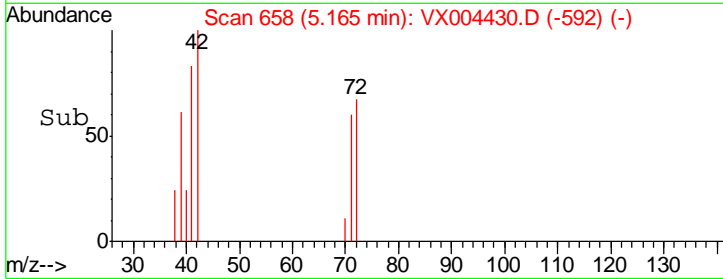
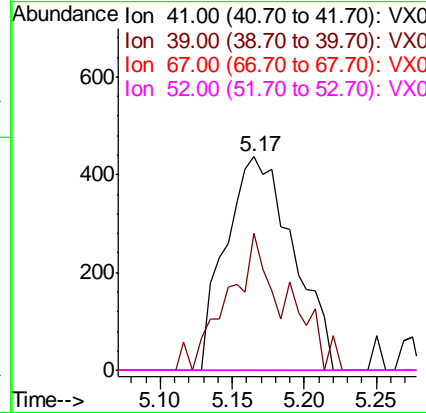
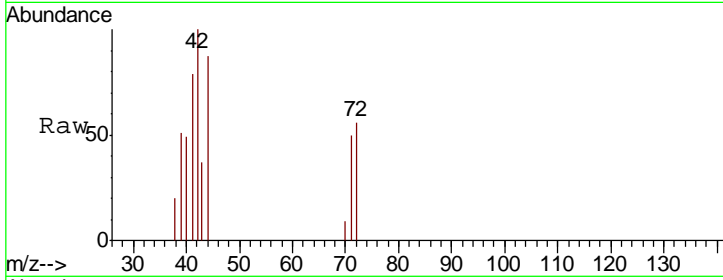




#41
 Methacrylonitrile
 Concen: 0.46 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.10 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

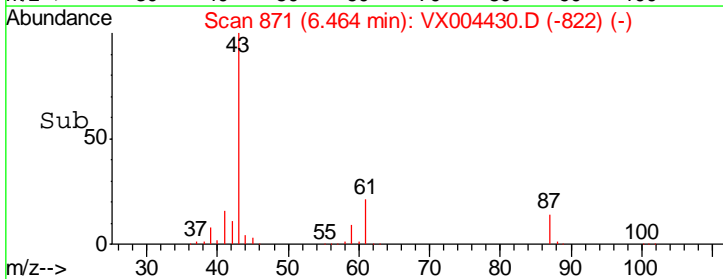
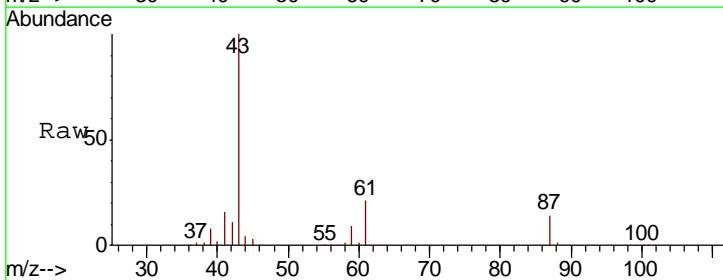
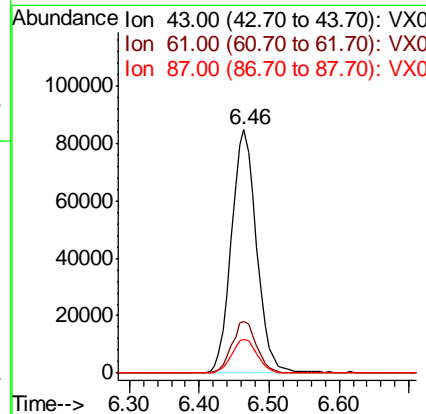
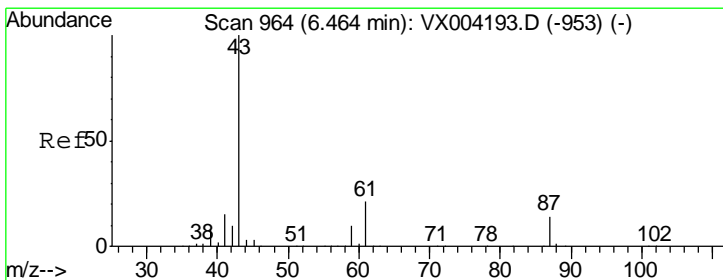
Instrument : MSVOA_X
 ClientSampleID : PB112672ZHE#06

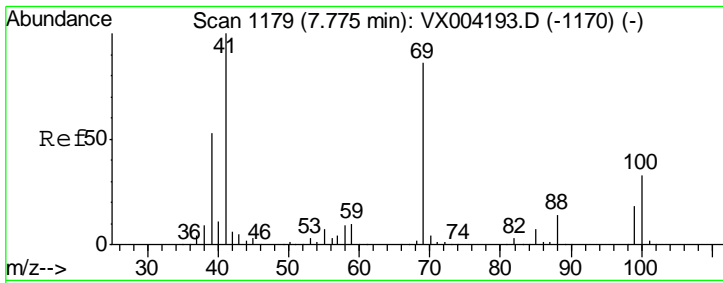
Tgt Ion	Resp	Lower	Upper
41	1422		
39	41.0	42.4	63.6#
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#



#43
 Isopropyl Acetate
 Concen: 25.91 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
43	212644		
61	21.1	17.0	25.4
87	14.2	11.4	17.2

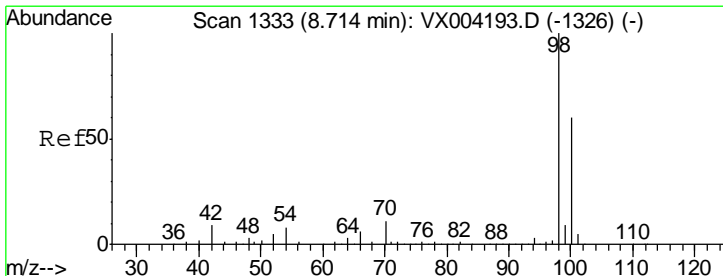
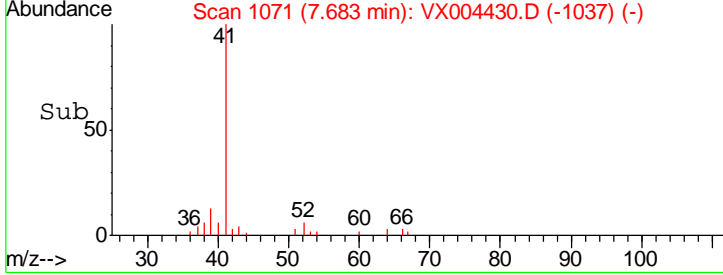
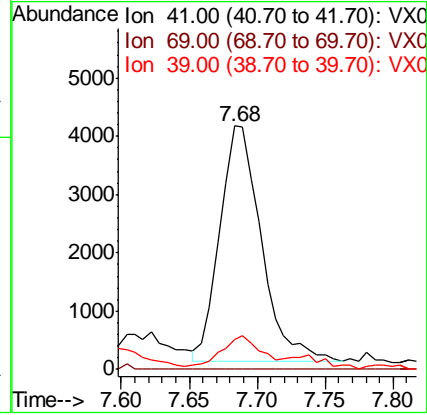
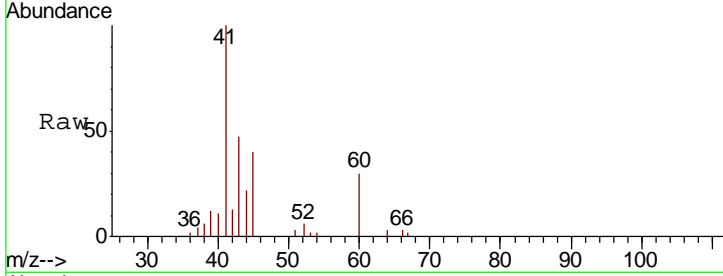




#48
 Methyl methacrylate
 Concen: 1.95 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

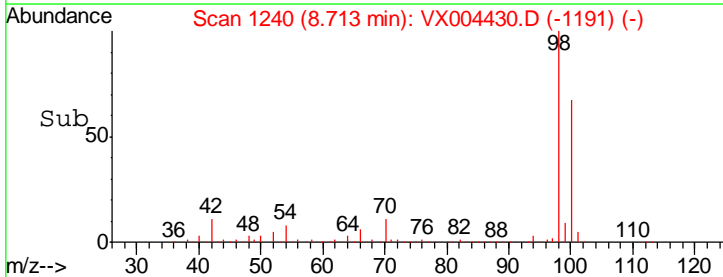
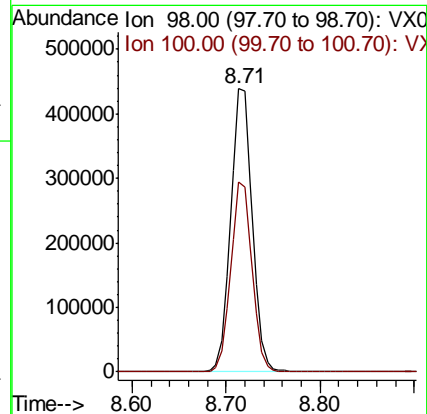
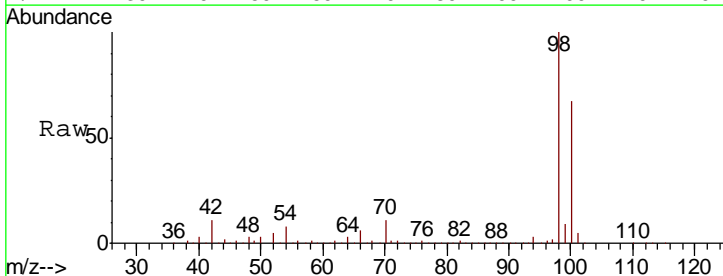
Instrument : MSVOA_X
 ClientSampleId : PB112672ZHE#06

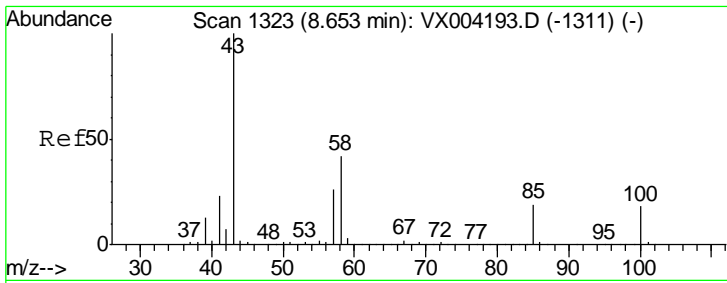
Tgt Ion	Resp	Lower	Upper
41	100		
69	0.0	70.2	105.4#
39	14.7	42.7	64.1#



#50
 Toluene-d8
 Concen: 51.48 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.0	52.9	79.3

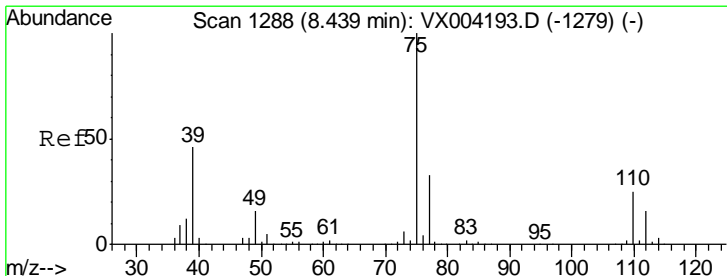
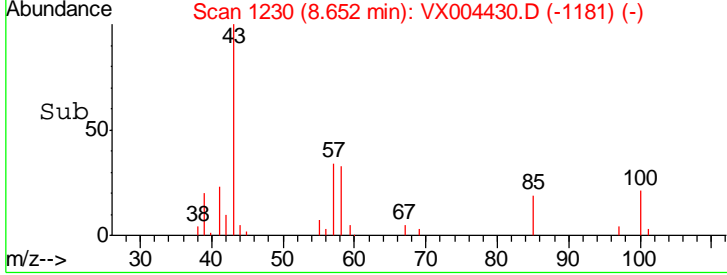
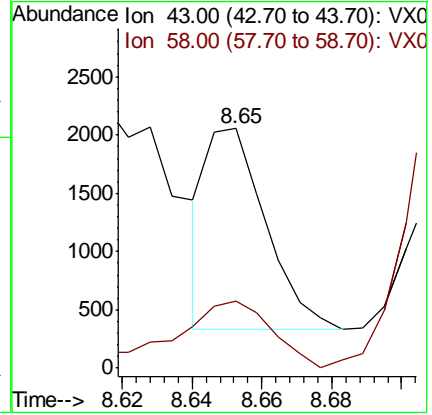
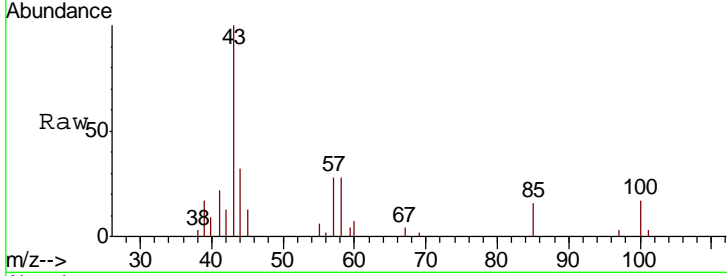




#51
 4-Methyl-2-Pentanone
 Concen: 0.34 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

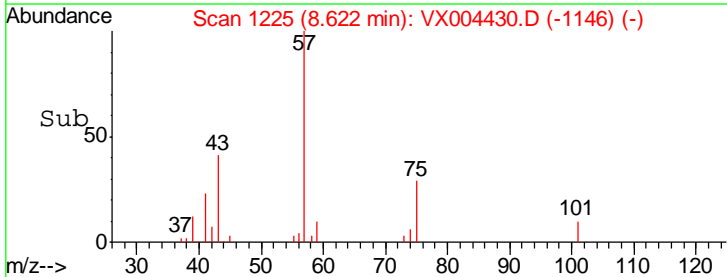
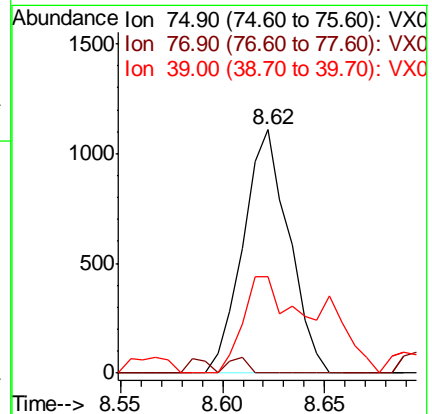
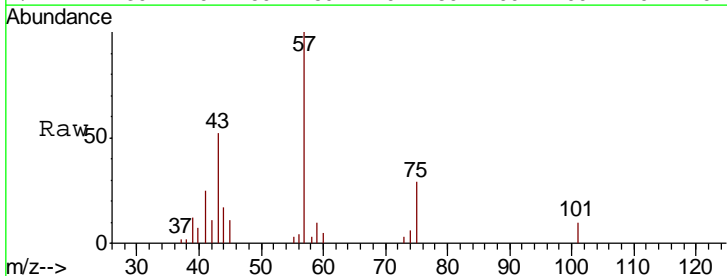
Instrument : MSVOA_X
 ClientSampleID : PB112672ZHE#06

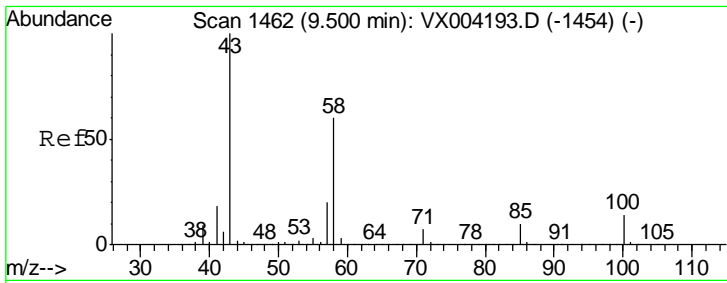
Tgt Ion	Resp	Lower	Upper
43	100		
58	57.9	33.1	49.7#



#54
 cis-1,3-Dichloropropene
 Concen: 0.29 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	26.2	39.2#
39	39.8	36.4	54.6

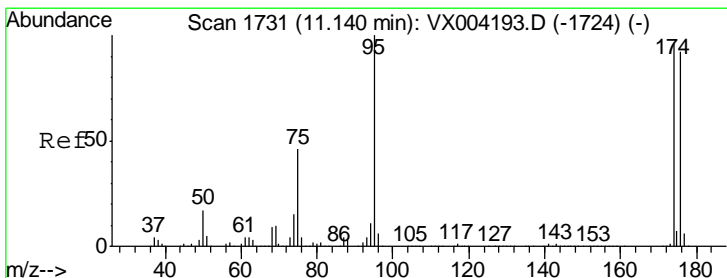
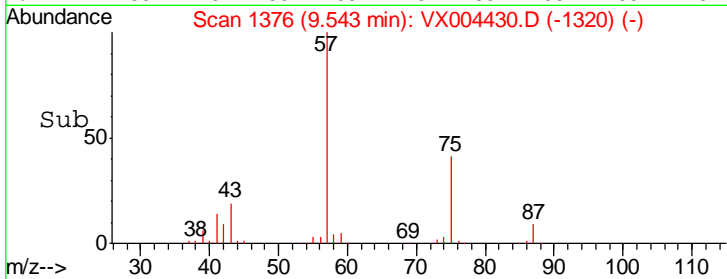
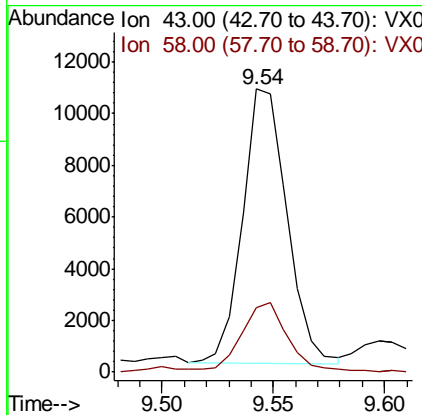
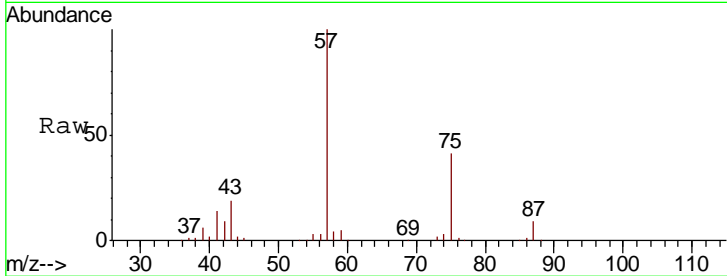




#59
 2-Hexanone
 Concen: 3.22 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

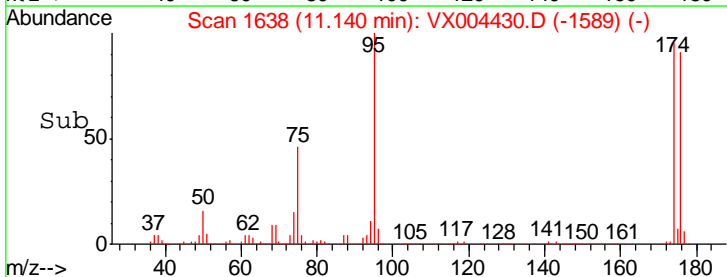
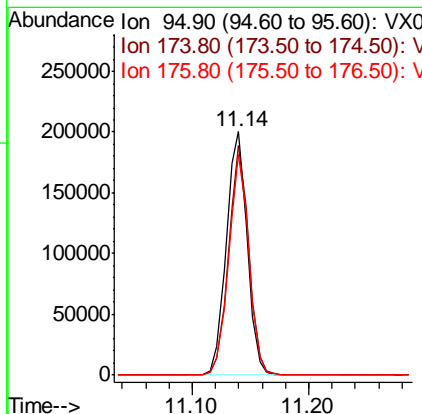
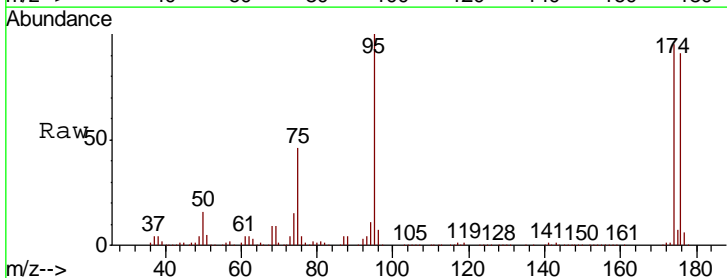
Instrument : MSVOA_X
 ClientSampled : PB112672ZHE#06

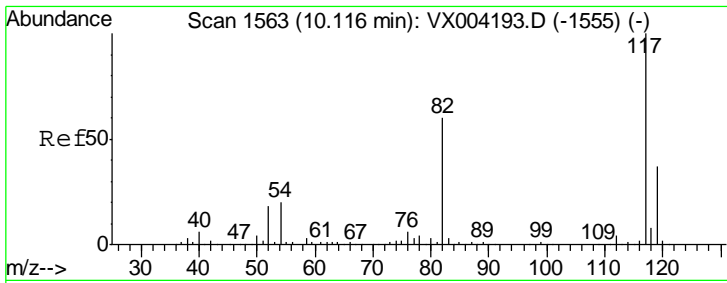
Tgt Ion	Resp	Lower	Upper
43	100		
58	27.2	29.0	87.0#



#62
 4-Bromofluorobenzene
 Concen: 49.04 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
95	100		
174	91.9	0.0	185.2
176	88.0	0.0	178.6

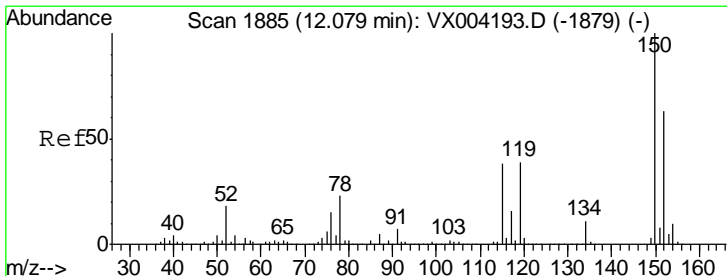
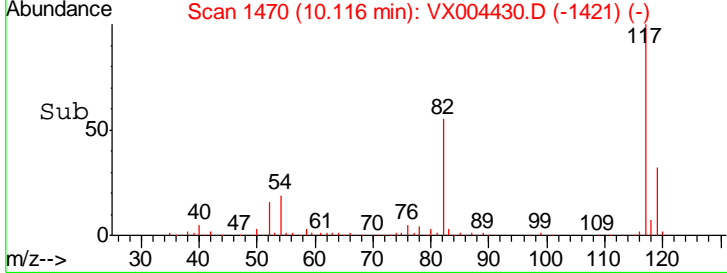
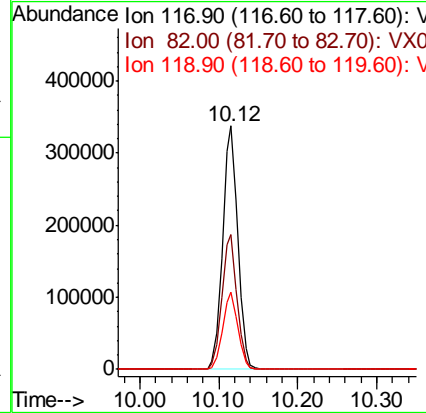
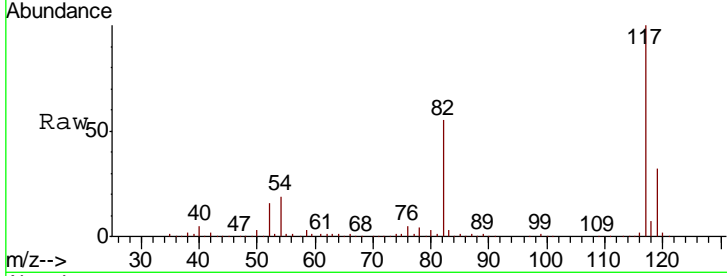




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

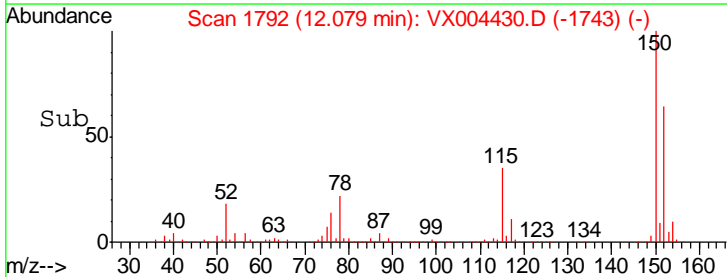
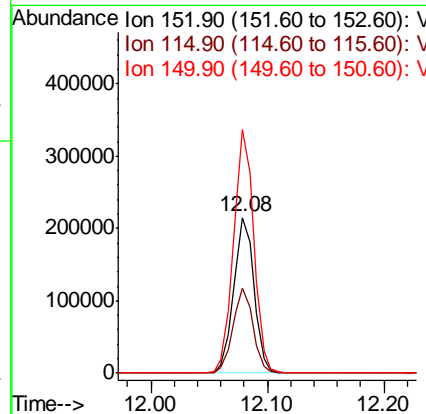
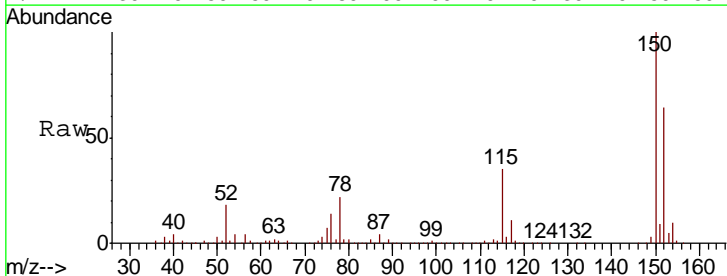
Instrument : MSVOA_X
 ClientSampled : PB112672ZHE#06

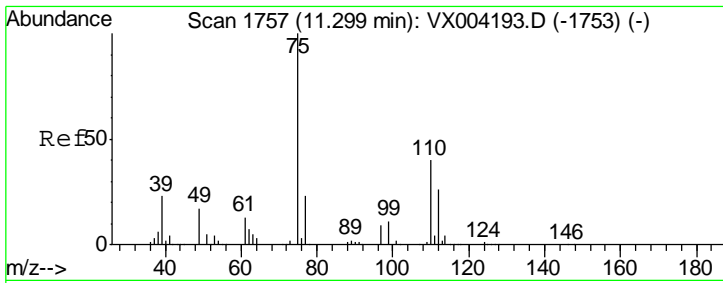
Tgt Ion	Resp	Lower	Upper
117	451535		
82	55.2	47.8	71.6
119	31.5	29.3	43.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
152	261508		
115	54.1	39.0	117.0
150	155.7	0.0	351.0

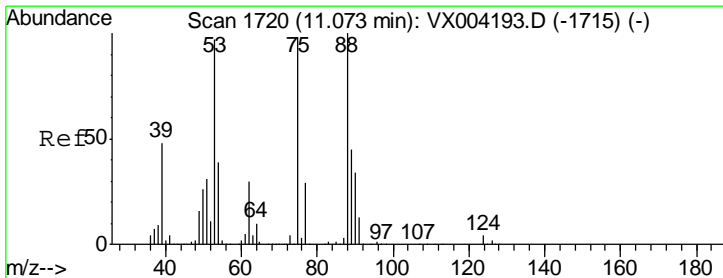
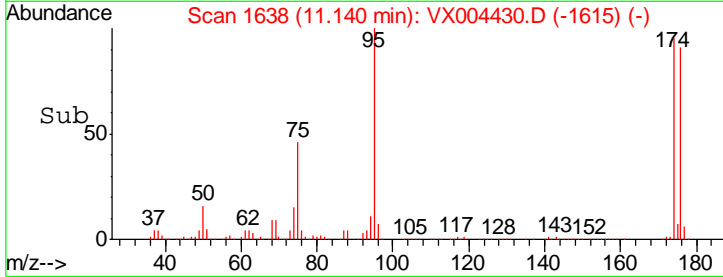
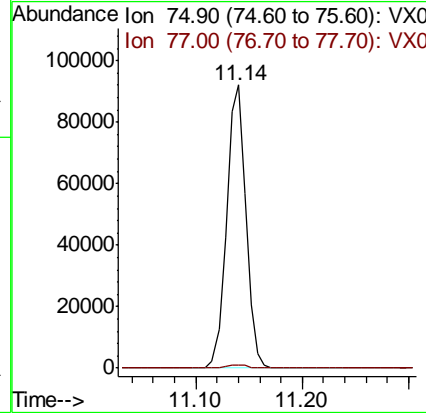
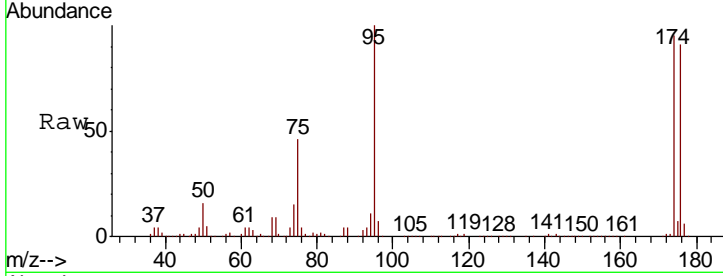




#76
 1,2,3-Trichloropropane
 Concen: 21.85 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Instrument : MSVOA_X
 ClientSampled : PB112672ZHE#06

Tgt Ion	Resp	Lower	Upper
75	116230		
77	1.3	20.2	60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.91 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX004430.D
 Acq: 08 Sep 2018 02:19

Tgt Ion	Resp	Lower	Upper
75	116230		
53	0.2	80.1	120.1#
89	0.0	37.2	55.8#

