

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\  
 Data File : VX004697.D  
 Acq On : 19 Sep 2018 11:17  
 Operator : JC/MD  
 Sample : VX0919MBL01  
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0919MBL01

Quant Time: Sep 19 16:45:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232503	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322281	50.00	µg/l	0.00
63) Chlorobenzene-d5	10.12	117	297960	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164348	50.00	µg/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	144531	48.21	µg/l	-0.01
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	5.50	113	134317	45.54	µg/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
50) Toluene-d8	8.71	98	443175	44.81	µg/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
62) 4-Bromofluorobenzene	11.14	95	153692	43.53	µg/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	

## Target Compounds

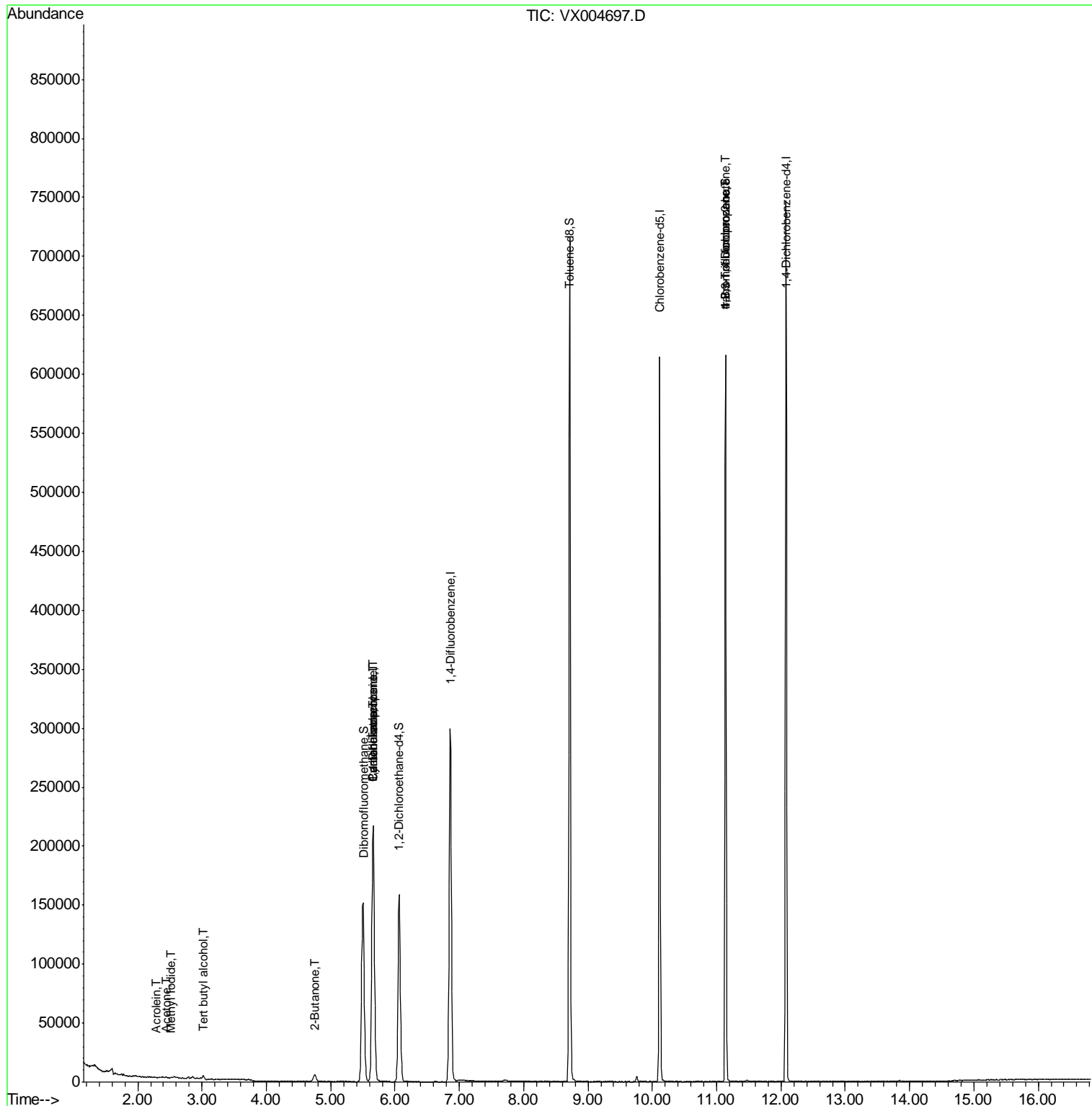
					Qvalue	
5) Bromomethane	1.65	94	673	Below Cal		81
10) Methyl Iodide	2.51	142	491	4.402	µg/l #	74
11) Tert butyl alcohol	3.03	59	1933	2.702	µg/l #	72
13) Acrolein	2.29	56	134	0.475	µg/l	95
16) Acetone	2.44	43	935	0.639	µg/l	93
25) 2-Butanone	4.74	43	585	0.251	µg/l #	47
31) Cyclohexane	5.65	56	3475	0.801	µg/l #	1
36) 1,1-Dichloropropene	5.66	75	14925	3.815	µg/l #	50
38) Carbon Tetrachloride	5.66	117	21248	5.560	µg/l #	14
76) 1,2,3-Trichloropropane	11.14	75	71517	21.629	µg/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	71517	68.942	µg/l #	10

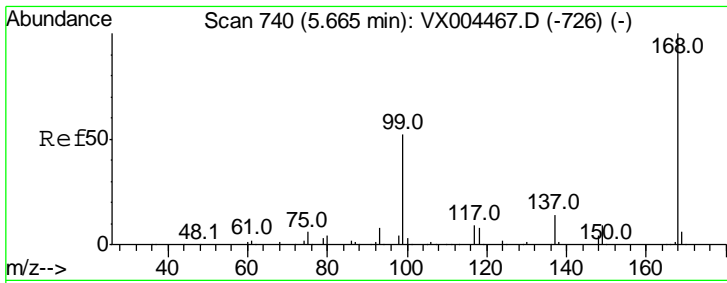
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
 MSVOA\_X  
 ClientSampled :  
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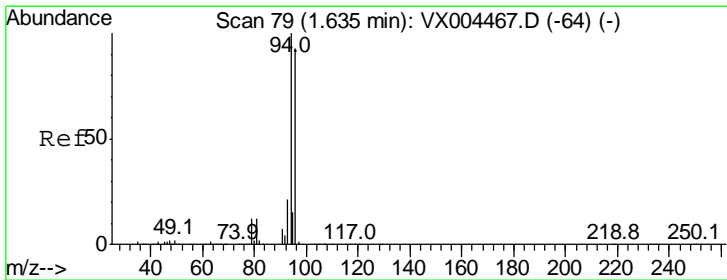
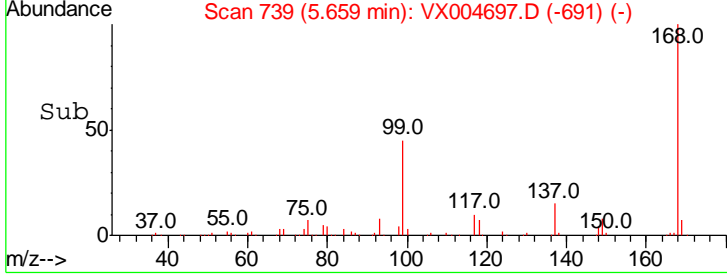
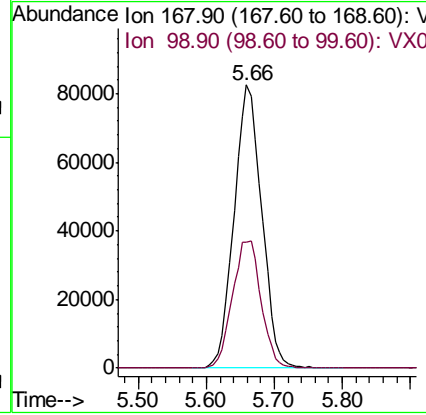
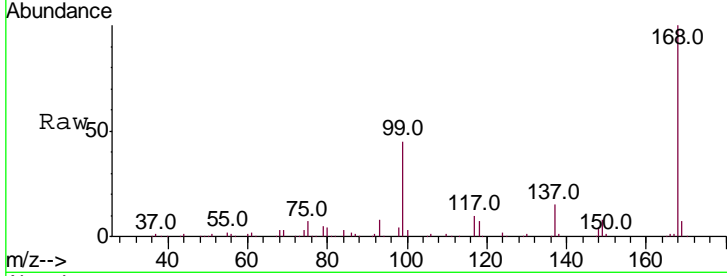


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Instrument : MSVOA\_X  
 ClientSampled : VX0919MBL01

Tgt Ion: 168 Resp: 232503

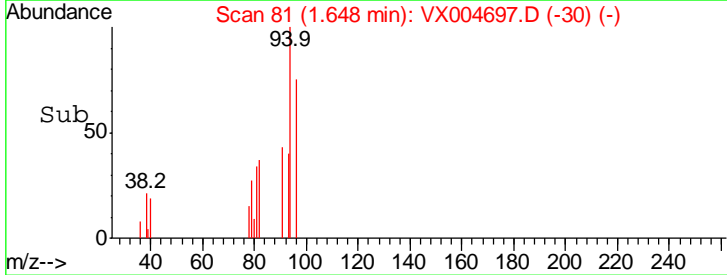
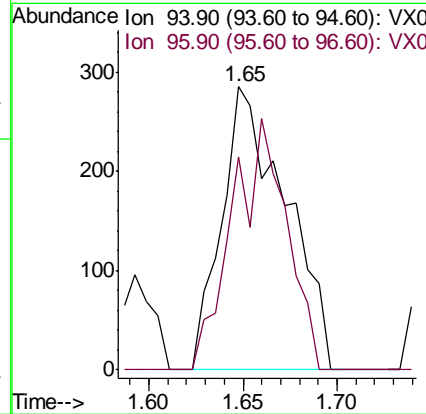
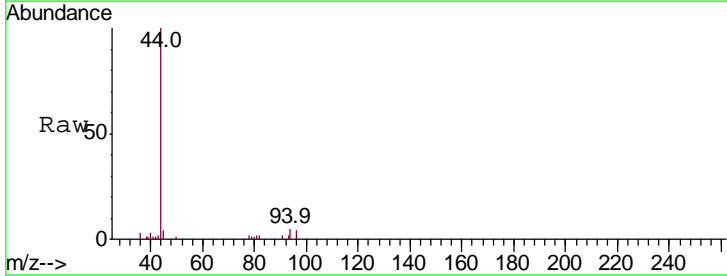
Ion	Ratio	Lower	Upper
168	100		
99	44.5	39.9	59.9

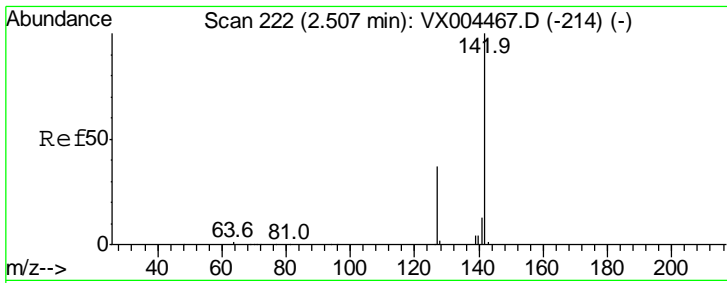


#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 1.65 min Scan# 81  
 Delta R.T. 0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion: 94 Resp: 673

Ion	Ratio	Lower	Upper
94	100		
96	75.1	74.5	111.7

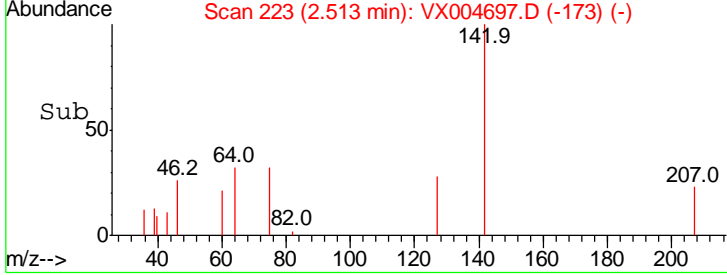
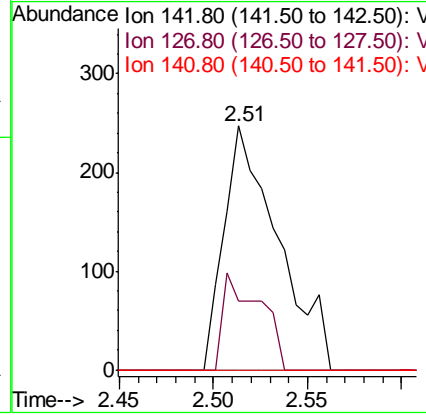
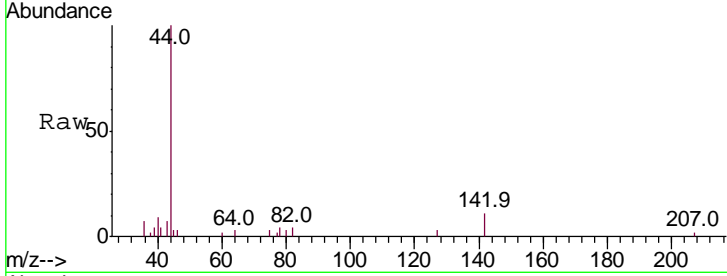




#10  
 Methyl Iodide  
 Concen: 4.402 ug/l  
 RT: 2.51 min Scan# 223  
 Delta R.T. 0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

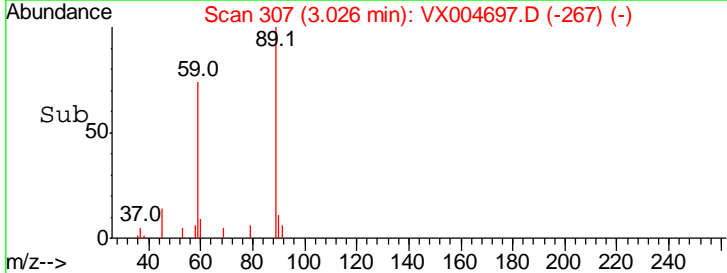
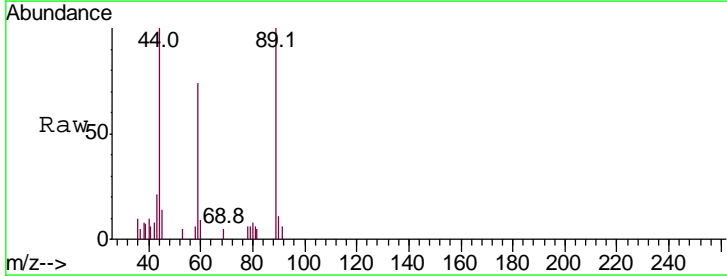
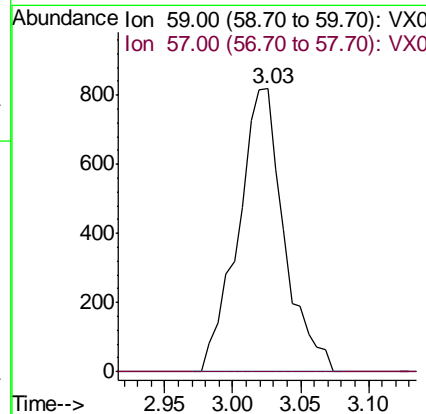
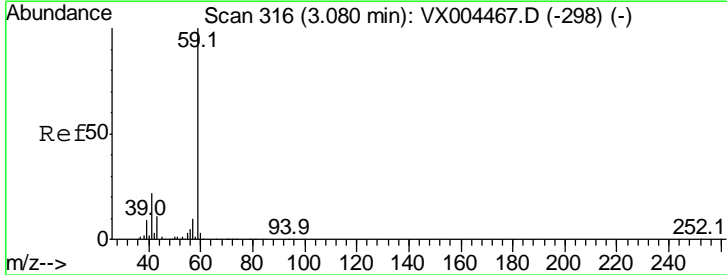
Instrument : MSVOA\_X  
 ClientSampled : VX0919MBL01

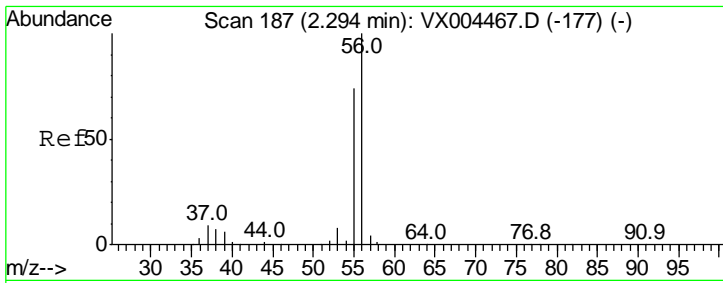
Tgt Ion	Ratio	Lower	Upper
142	100		
127	27.3	33.8	50.6#
141	0.0	11.4	17.0#



#11  
 Tert butyl alcohol  
 Concen: 2.702 ug/l  
 RT: 3.03 min Scan# 307  
 Delta R.T. -0.05 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

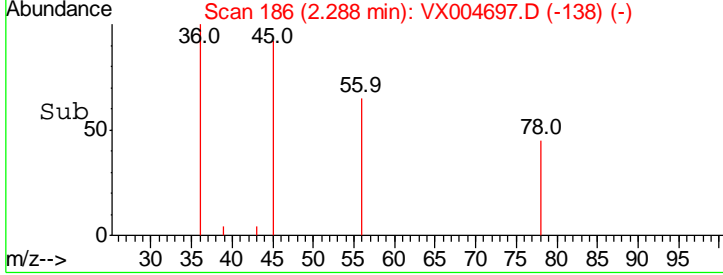
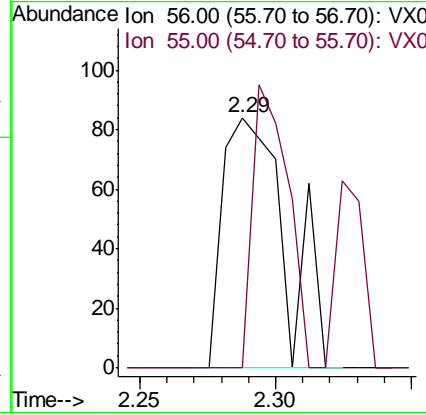
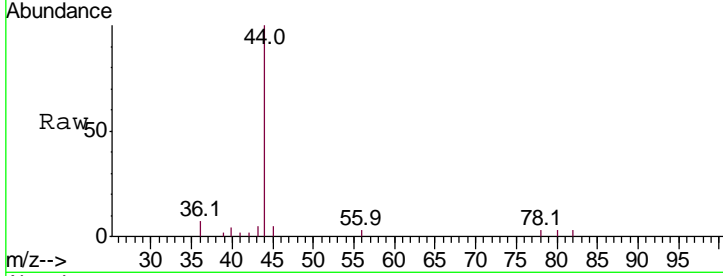




#13  
 Acrolein  
 Concen: 0.475 ug/l  
 RT: 2.29 min Scan# 186  
 Delta R.T. -0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

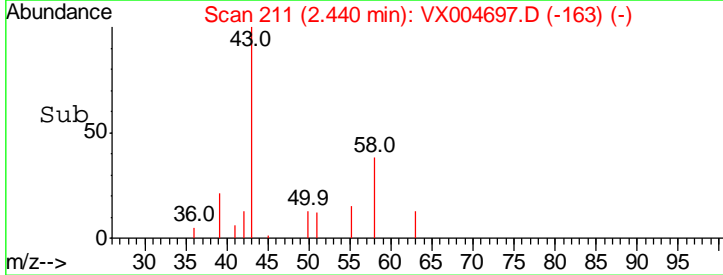
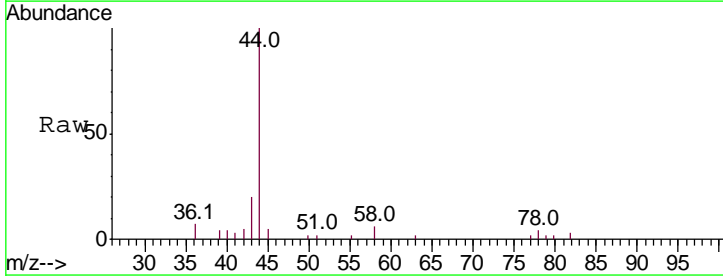
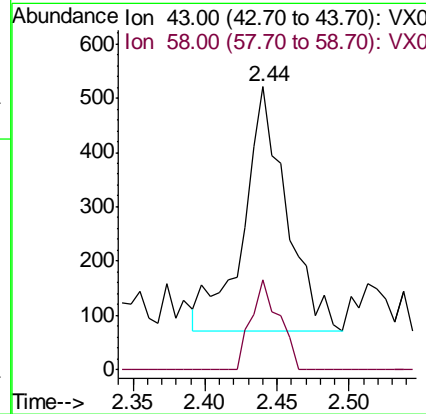
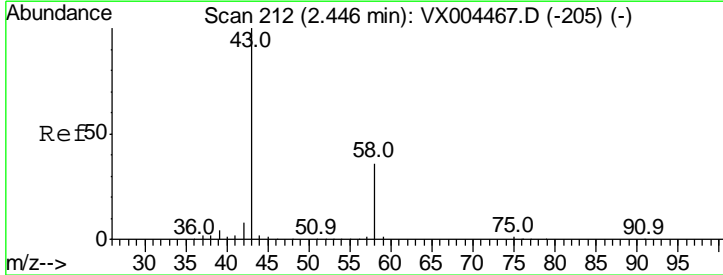
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0919MBL01

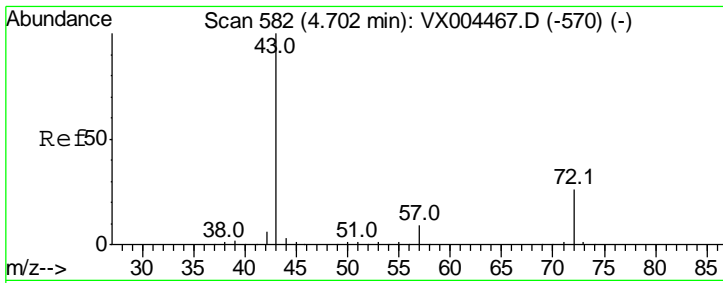
Tgt Ion: 56 Resp: 134  
 Ion Ratio Lower Upper  
 56 100  
 55 64.2 54.7 82.1



#16  
 Acetone  
 Concen: 0.639 ug/l  
 RT: 2.44 min Scan# 211  
 Delta R.T. -0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion: 43 Resp: 935  
 Ion Ratio Lower Upper  
 43 100  
 58 36.7 26.2 39.4

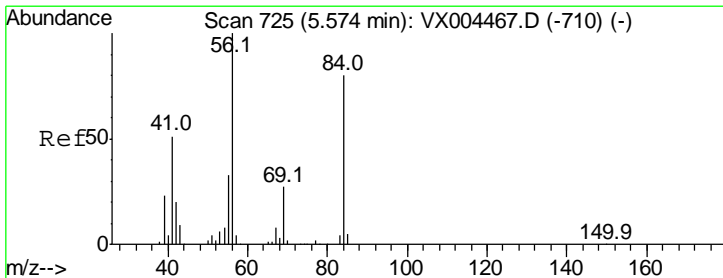
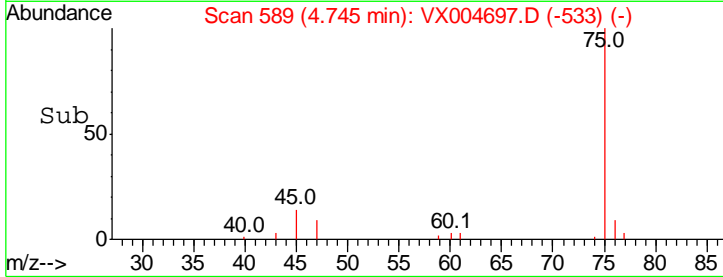
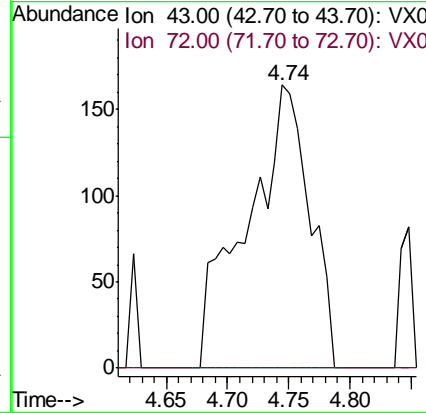
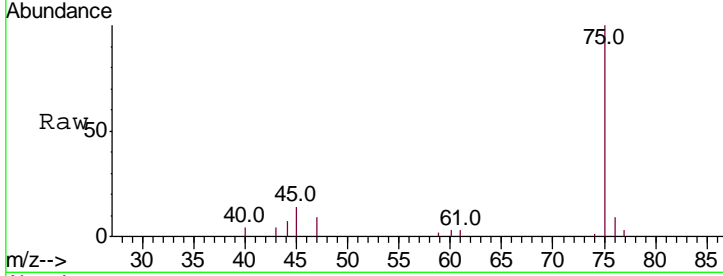




#25  
 2-Butanone  
 Concen: 0.251 ug/l  
 RT: 4.74 min Scan# 589  
 Delta R.T. 0.04 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

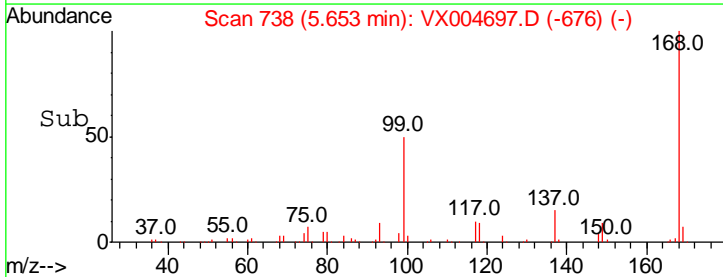
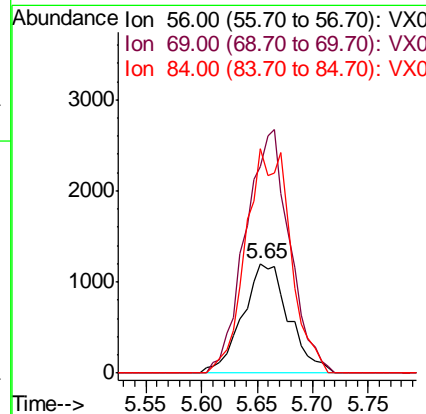
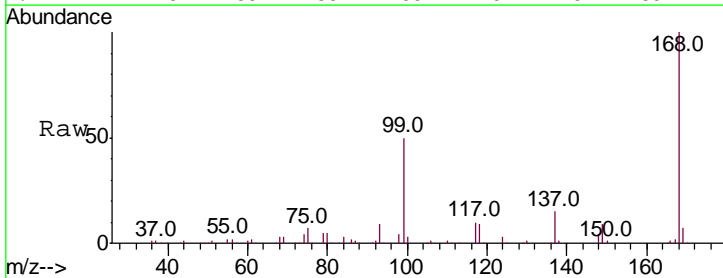
Instrument : MSVOA\_X  
 ClientSampled : VX0919MBL01

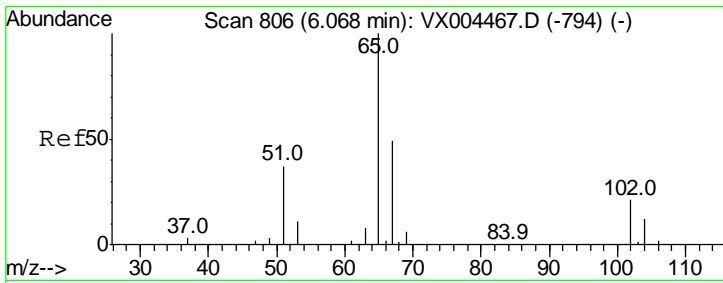
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#



#31  
 Cyclohexane  
 Concen: 0.801 ug/l  
 RT: 5.65 min Scan# 738  
 Delta R.T. 0.08 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
56	100		
69	188.8	25.4	38.2#
84	204.2	71.4	107.2#

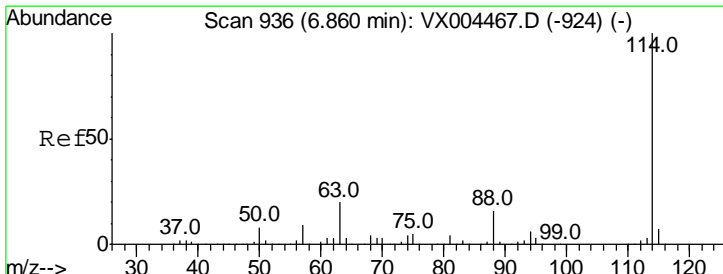
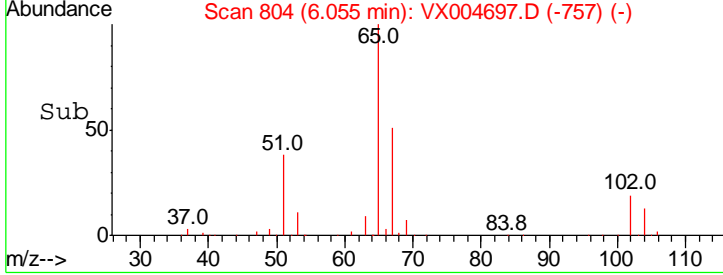
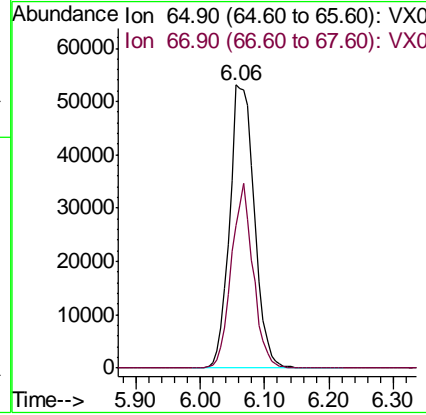
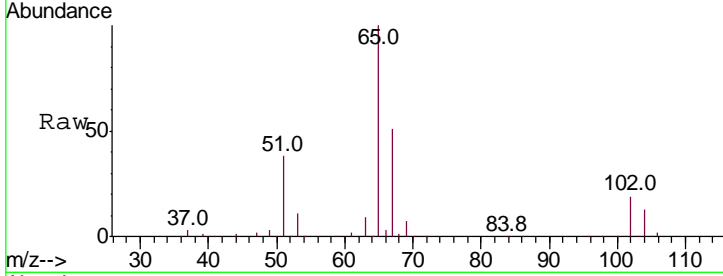




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.211 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. -0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

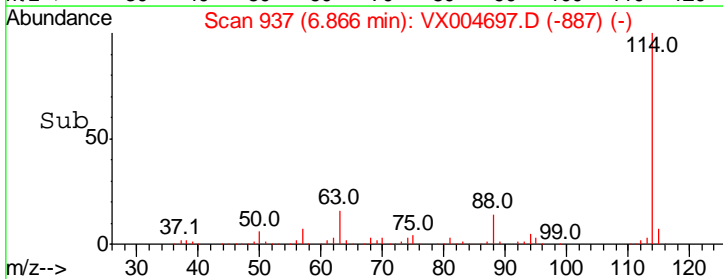
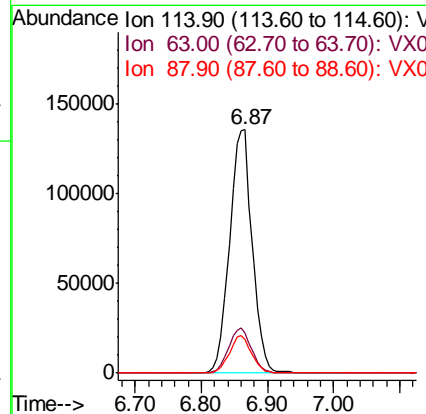
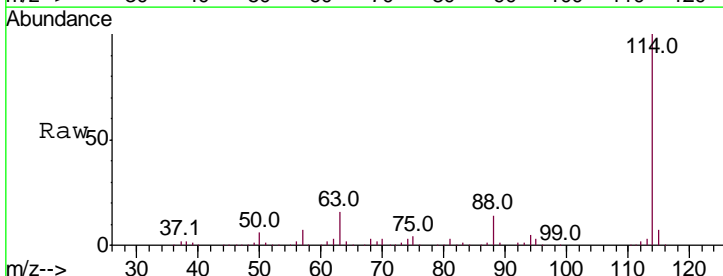
Instrument : MSVOA\_X  
 ClientSampled : VX0919MBL01

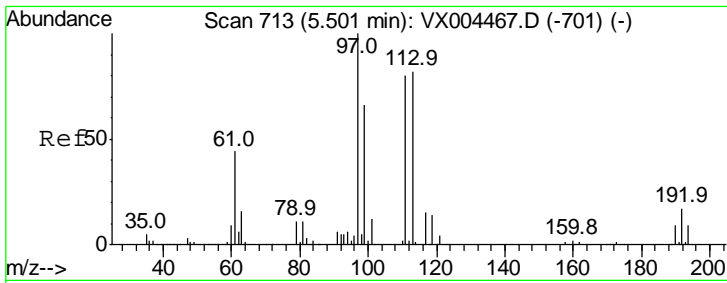
Tgt Ion	Resp	Lower	Upper
65	100		
67	57.1	0.0	106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 937  
 Delta R.T. 0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Resp	Lower	Upper
114	100		
63	16.3	0.0	39.0
88	13.9	0.0	30.4

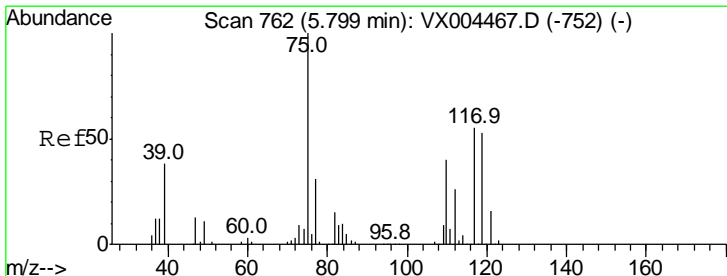
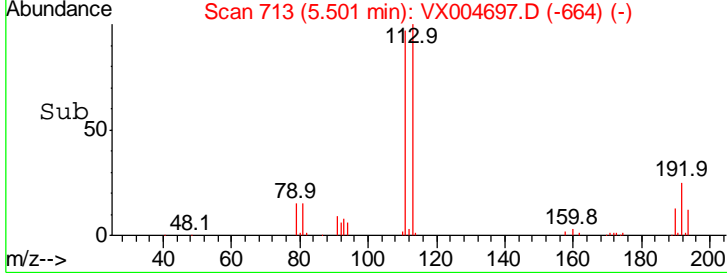
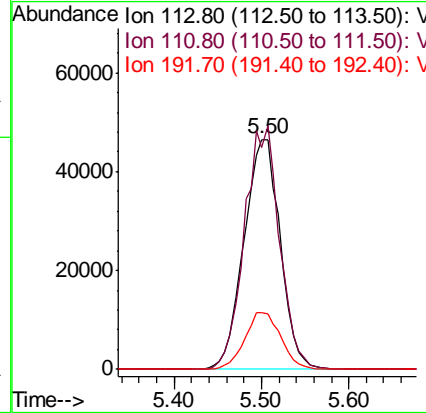
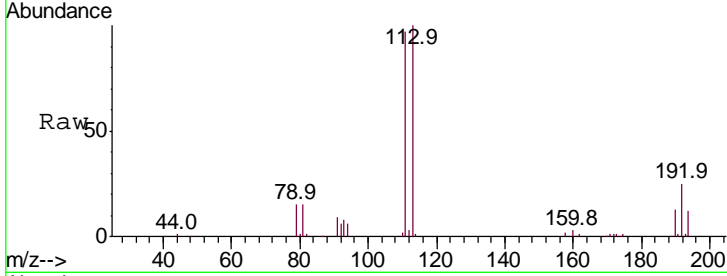




#35  
 Dibromofluoromethane  
 Concen: 45.544 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

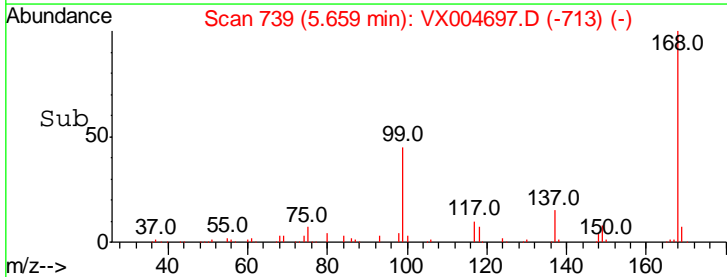
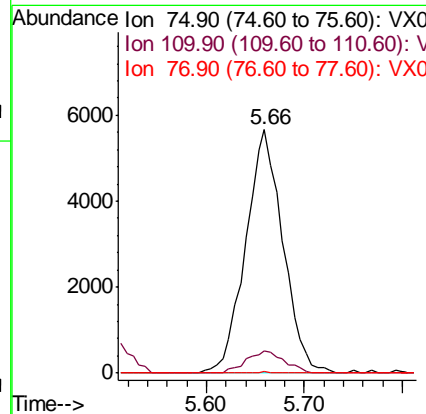
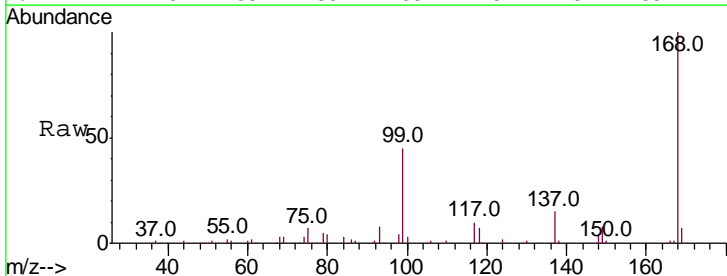
Instrument : MSVOA\_X  
 ClientSampled : VX0919MBL01

Tgt Ion	Resp	Lower	Upper
113	134317		
111	102.4	82.4	123.6
192	24.5	19.4	29.2

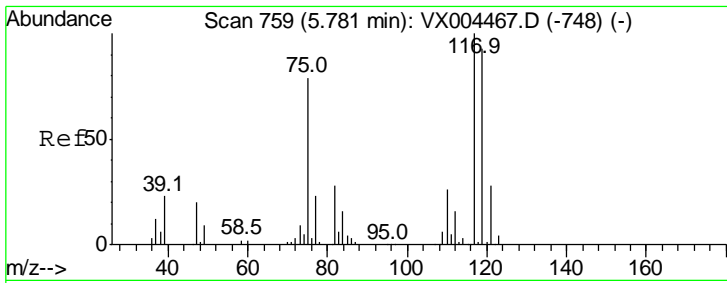


#36  
 1,1-Dichloropropene  
 Concen: 3.815 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.14 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Resp	Lower	Upper
75	14925		
110	9.3	18.0	54.0#
77	0.1	24.6	36.8#



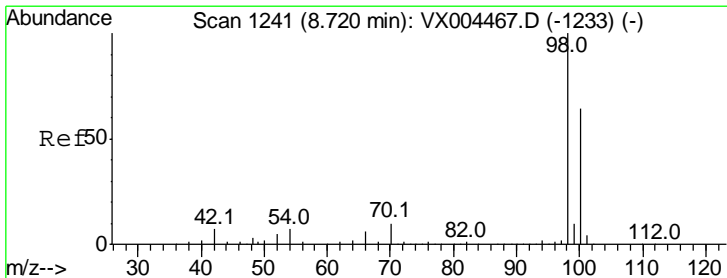
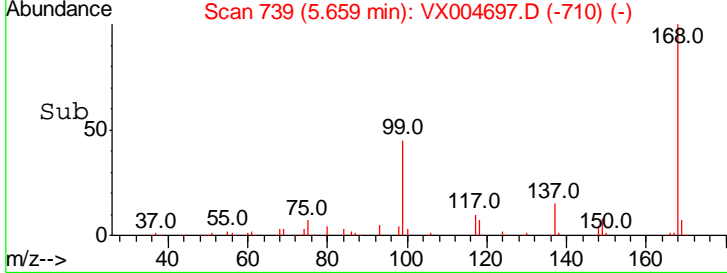
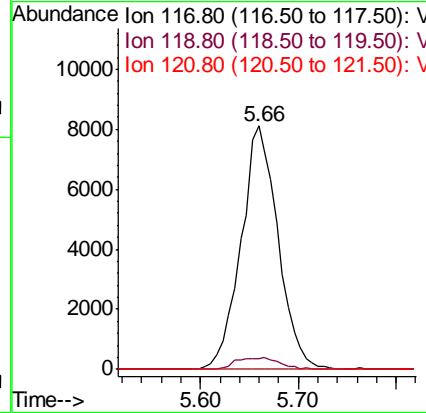
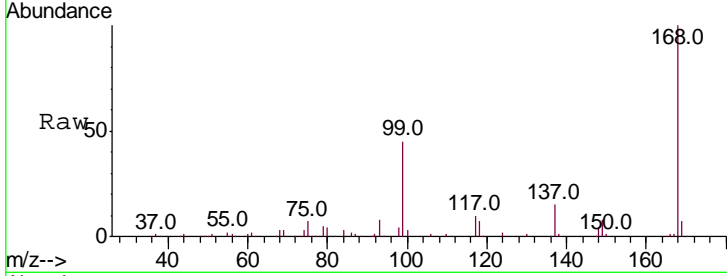




#38  
 Carbon Tetrachloride  
 Concen: 5.560 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.12 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

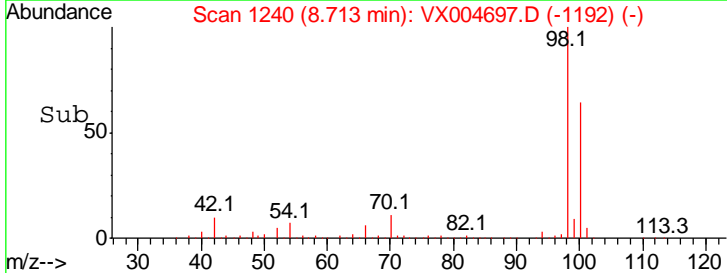
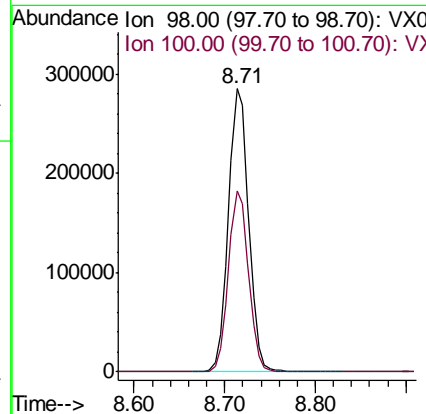
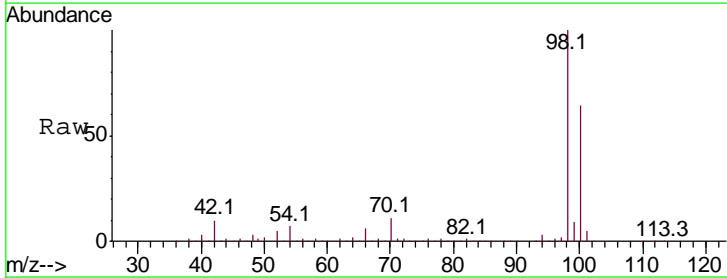
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 VX0919MBL01

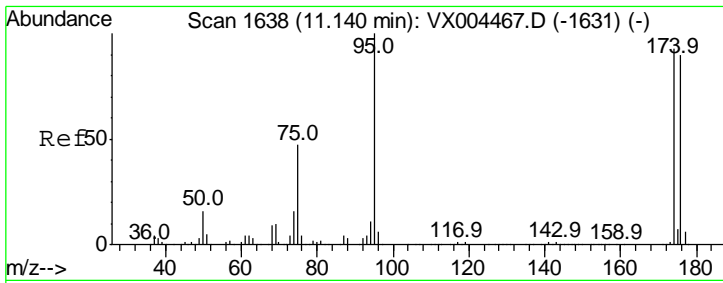
Tgt Ion	Resp	Lower	Upper
117	100		
119	4.3	78.8	118.2#
121	0.0	24.9	37.3#



#50  
 Toluene-d8  
 Concen: 44.810 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.01 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.6	52.9	79.3

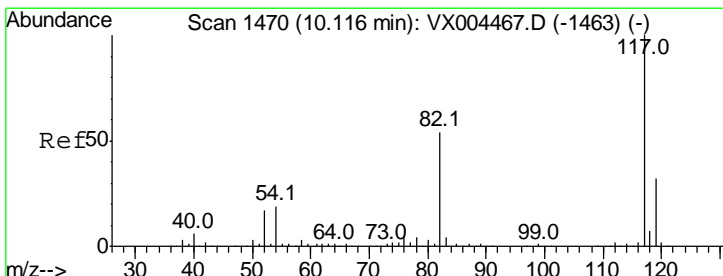
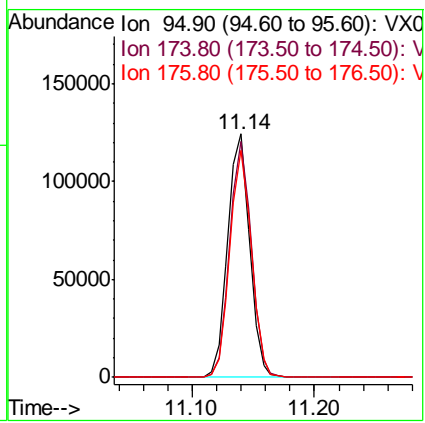
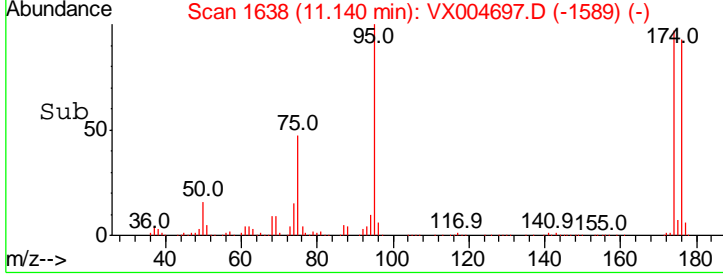
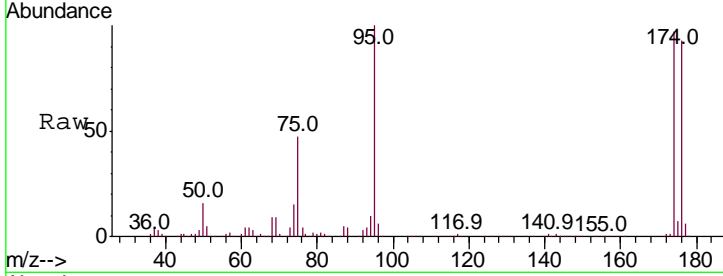




#62  
 4-Bromofluorobenzene  
 Concen: 43.535 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.00 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

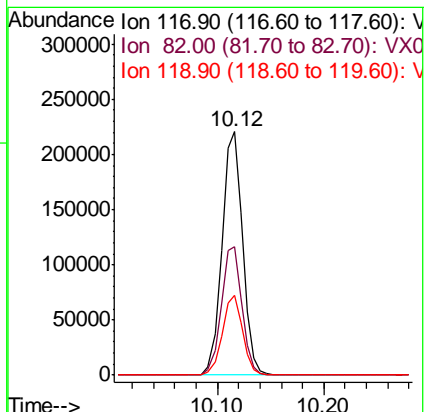
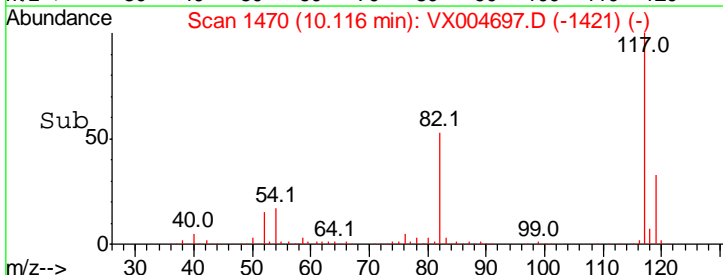
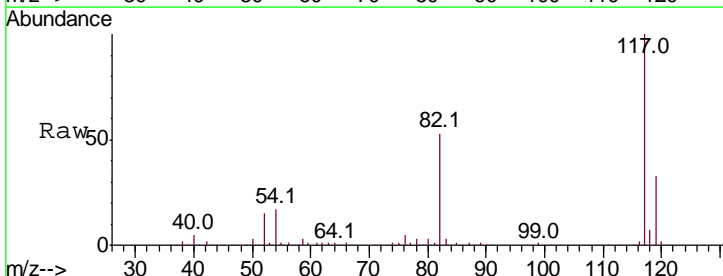
Instrument : MSVOA\_X  
 ClientSampled : VX0919MBL01

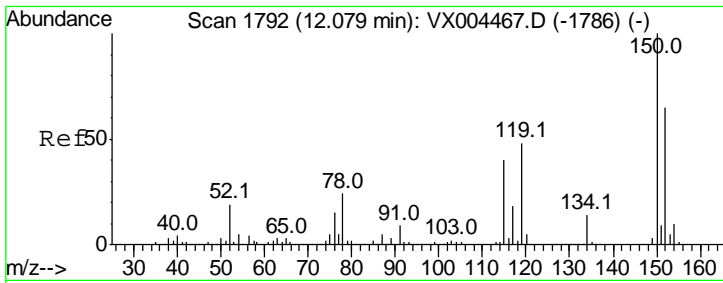
Tgt Ion	Resp	Lower	Upper
95	153692		
174	95.9	0.0	185.2
176	92.0	0.0	178.6



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.12 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Resp	Lower	Upper
117	297960		
82	52.6	47.8	71.6
119	32.9	29.3	43.9

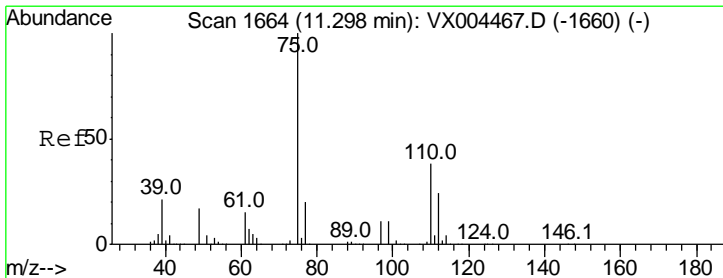
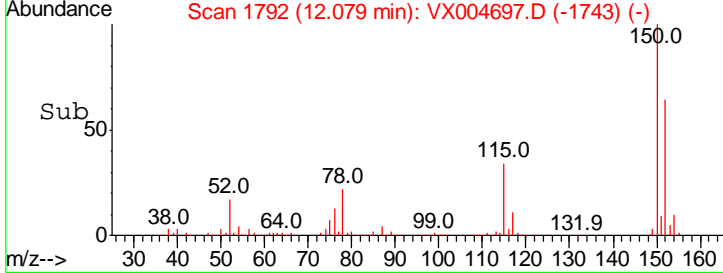
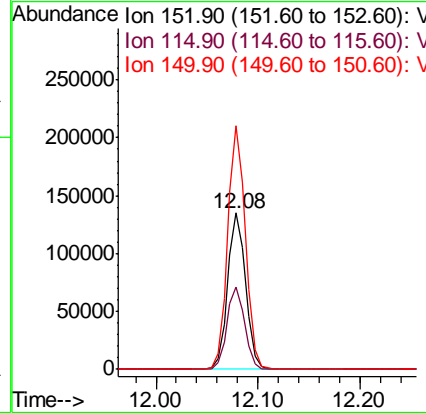
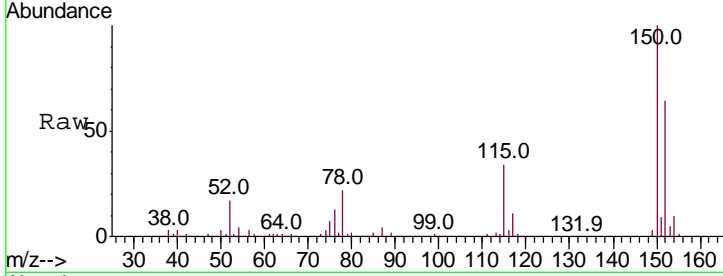




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

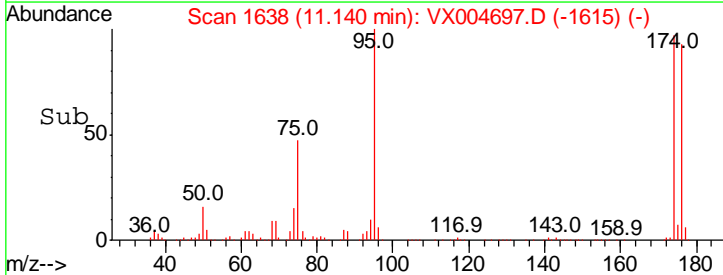
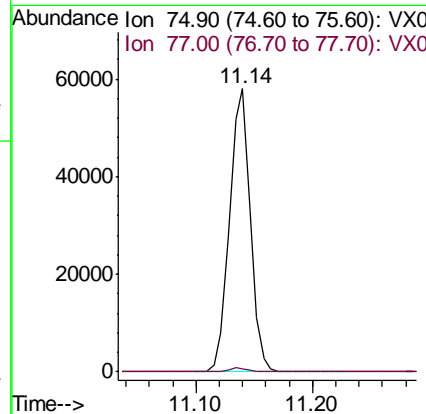
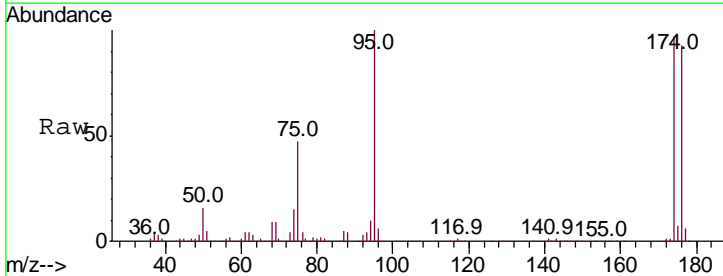
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0919MBL01

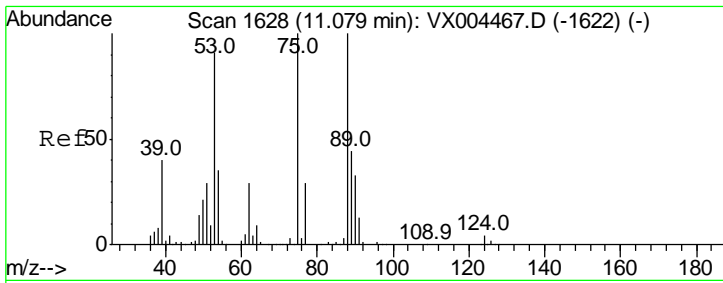
Tgt Ion	Resp	Lower	Upper
152	100		
115	52.8	39.0	117.0
150	154.8	0.0	351.0



#76  
 1,2,3-Trichloropropane  
 Concen: 21.629 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. -0.16 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.3	20.2	60.6

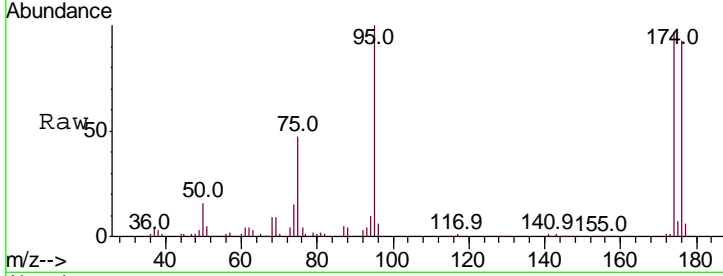




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 68.942 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.06 min  
 Lab File: VX004697.D  
 Acq: 19 Sep 2018 11:17

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0919MBL01

Tot Ion	Resp	Lower	Upper
75	100		
53	0.2	80.1	120.1#
89	0.0	37.2	55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 53.00 (52.70 to 53.70): VX0  
 Ion 88.90 (88.60 to 89.60): VX0

