

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\  
 Data File : VX016062.D  
 Acq On : 05 May 2020 14:34  
 Operator : JC/SP  
 Sample : L2508-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BP-VPB180-EB-20200504

Quant Time: May 06 05:02:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 04:29:02 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	305804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	507193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	487714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	254795	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	190677	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	5.47	113	147188	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	8.70	98	617578	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.12	95	250990	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

## Target Compounds

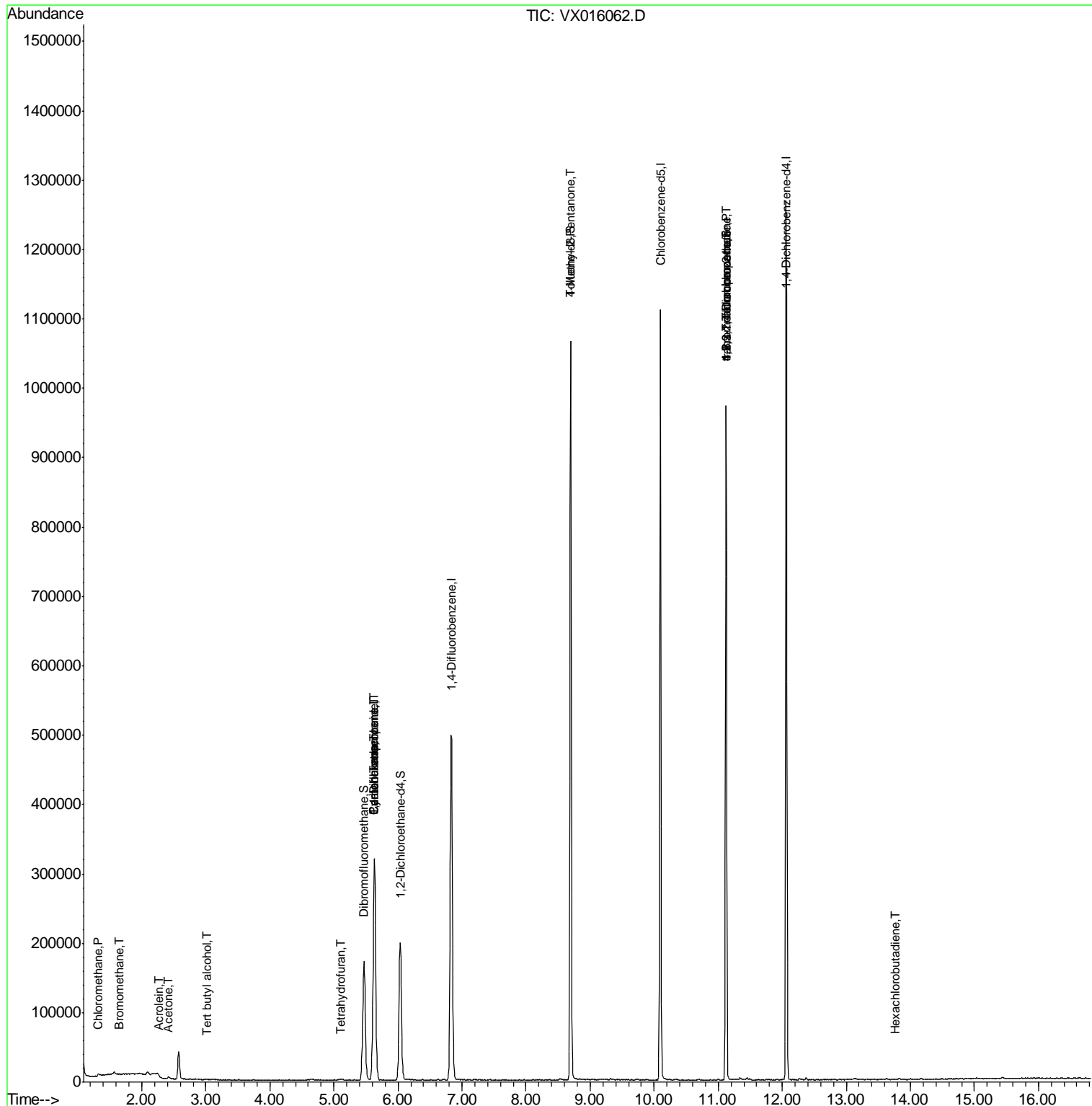
						Qvalue
3) Chloromethane	1.32	50	1118	0.297	ug/l #	64
5) Bromomethane	1.64	94	514	0.254	ug/l #	43
11) Tert butyl alcohol	3.01	59	592	0.582	ug/l #	72
13) Acrolein	2.27	56	511	0.802	ug/l #	25
16) Acetone	2.42	43	3090	1.721	ug/l	98
29) Tetrahydrofuran	5.11	42	2220	1.158	ug/l #	79
31) Cyclohexane	5.63	56	6611	1.183	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23625	4.732	ug/l #	49
38) Carbon Tetrachloride	5.64	117	30363	5.983	ug/l #	13
51) 4-Methyl-2-Pentanone	8.70	43	2620	0.464	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.13	83	258	4.870	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	127861	22.114	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	127861	52.699	ug/l #	13
94) Hexachlorobutadiene	13.76	225	218	0.605	ug/l #	64

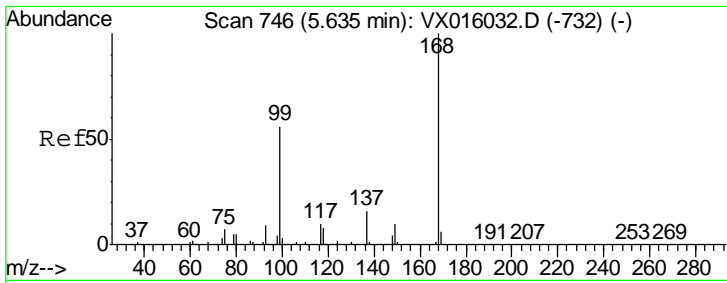
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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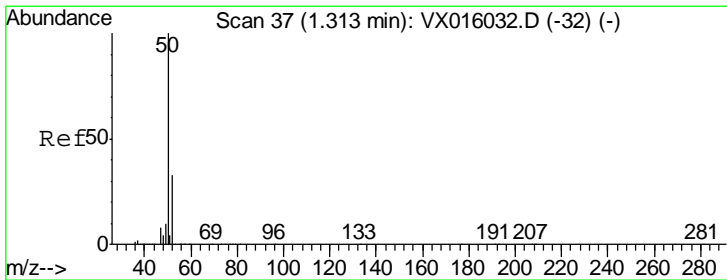
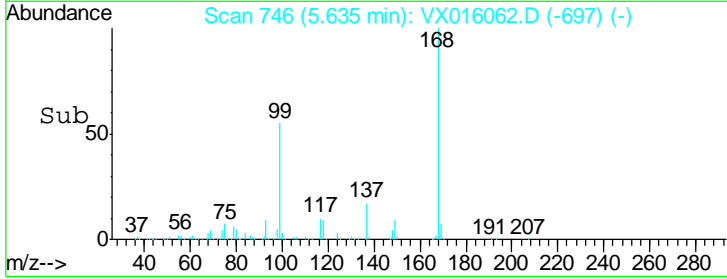
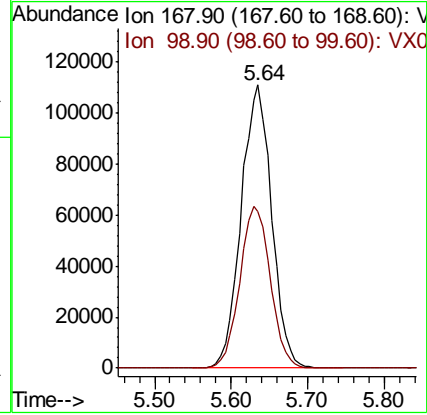
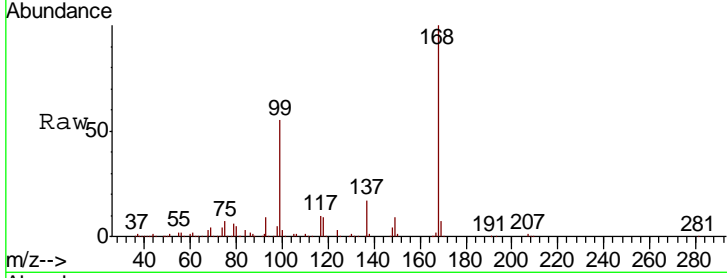




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

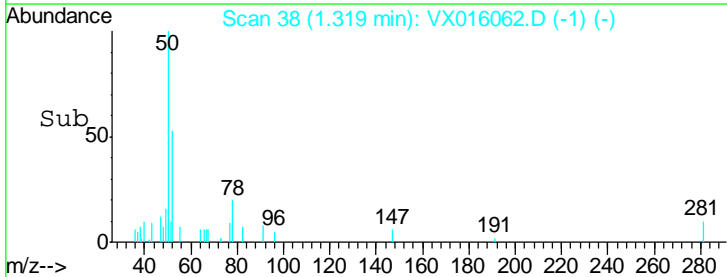
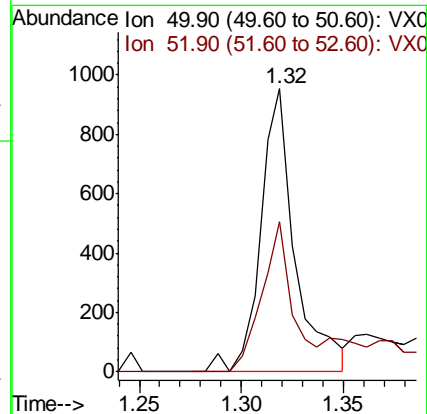
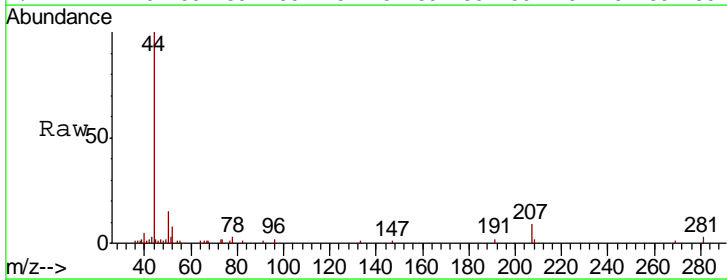
Instrument : MSVOA\_X  
 ClientSampled : BP-VPB180-EB-20200504

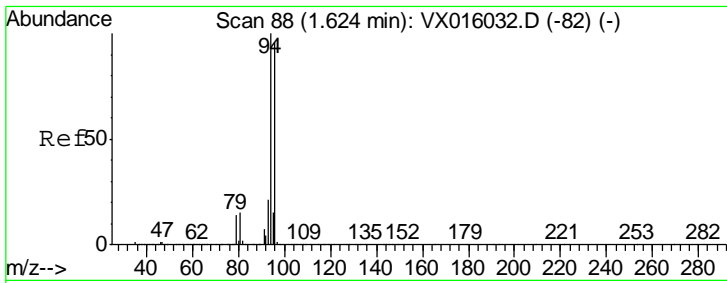
Tgt Ion	Resp	Lower	Upper
168	100		
99	55.4	45.0	67.4



#3  
 Chloromethane  
 Concen: 0.297 ug/l  
 RT: 1.32 min Scan# 38  
 Delta R.T. 0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
50	100		
52	52.9	26.1	39.1

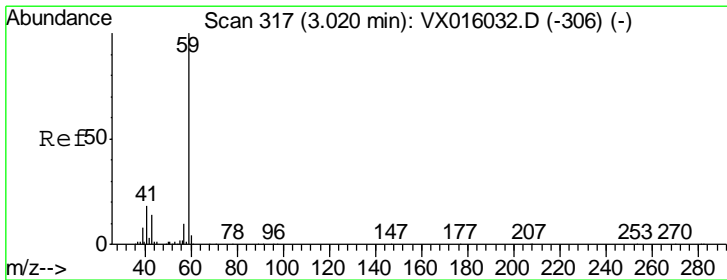
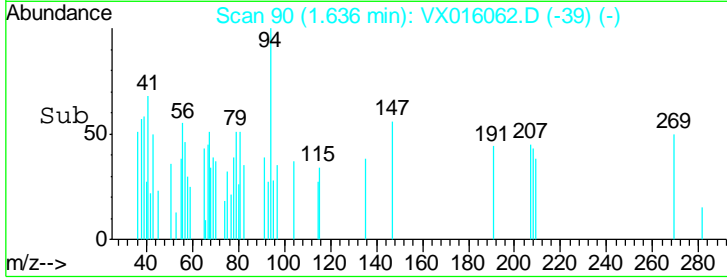
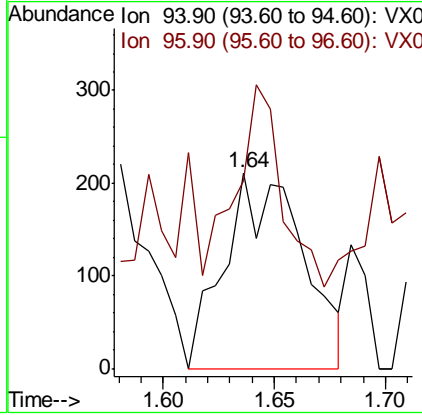
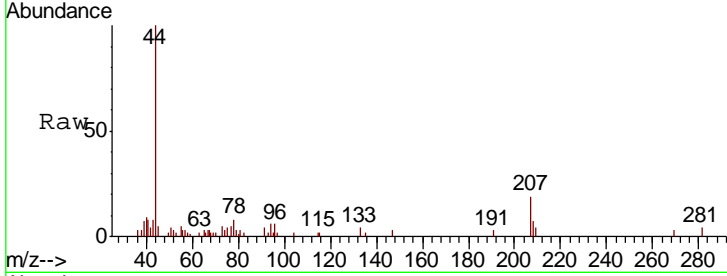




#5  
 Bromomethane  
 Concen: 0.254 ug/l  
 RT: 1.64 min Scan# 90  
 Delta R.T. 0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

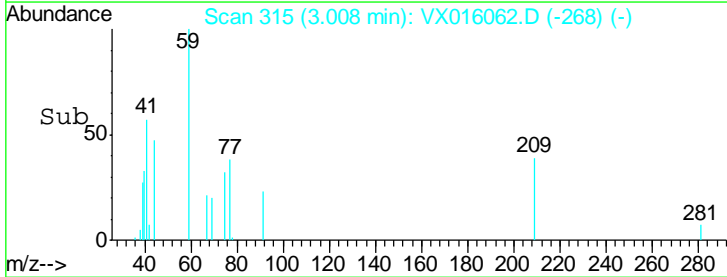
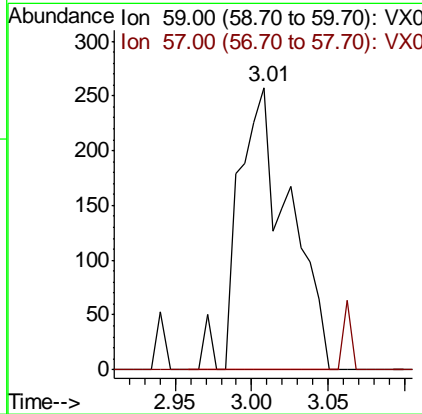
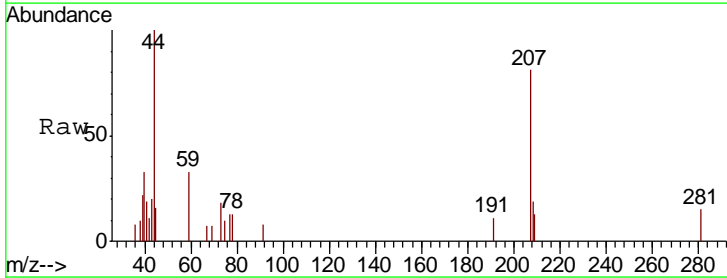
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 BP-VPB180-EB-20200504

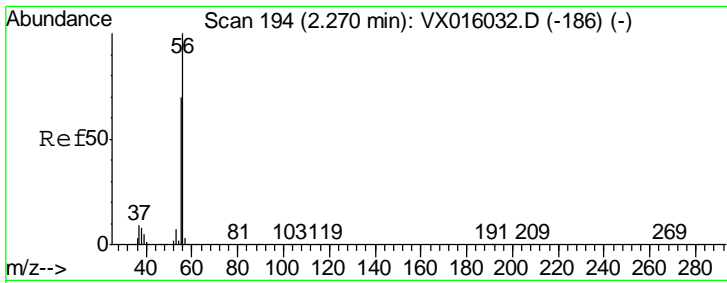
Tgt Ion	Resp	Lower	Upper
94	100		
96	40.8	76.9	115.3#



#11  
 Tert butyl alcohol  
 Concen: 0.582 ug/l  
 RT: 3.01 min Scan# 315  
 Delta R.T. -0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

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

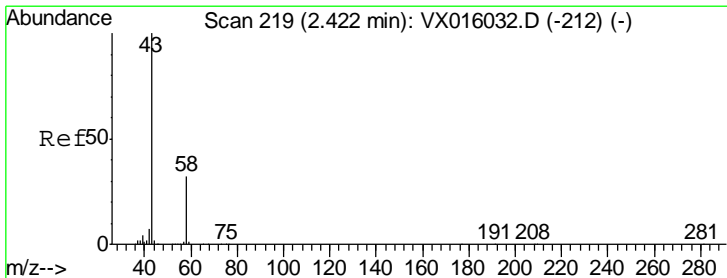
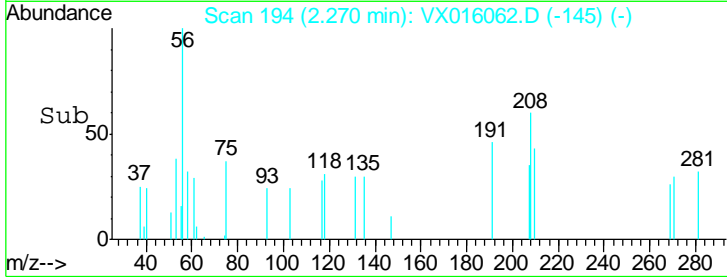
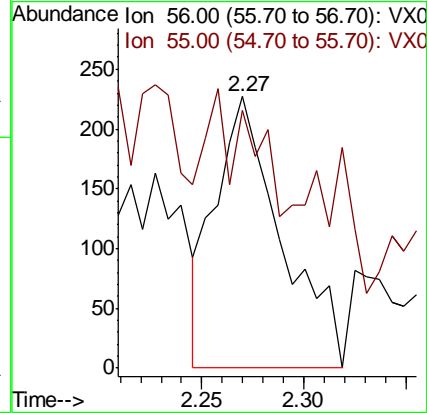
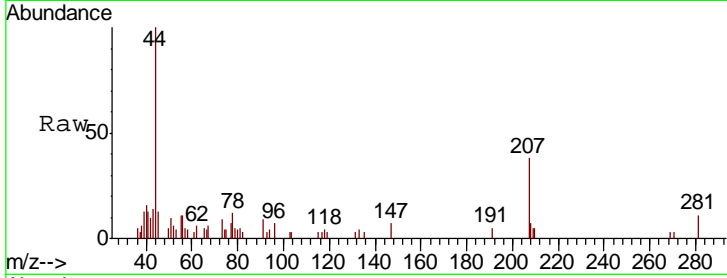




#13  
 Acrolein  
 Concen: 0.802 ug/l  
 RT: 2.27 min Scan# 194  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

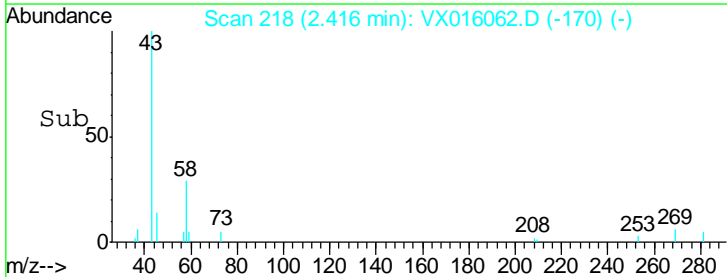
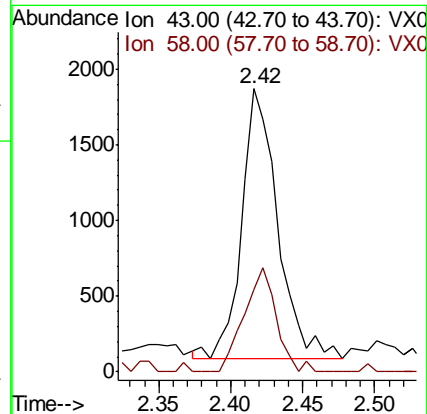
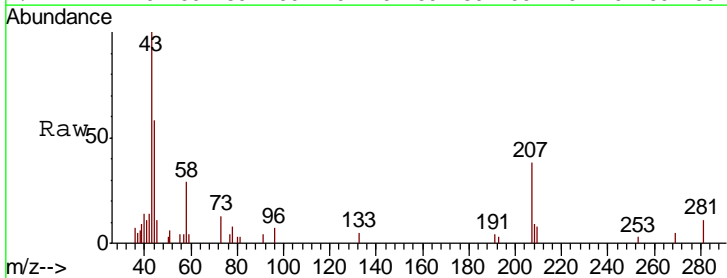
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BP-VPB180-EB-20200504

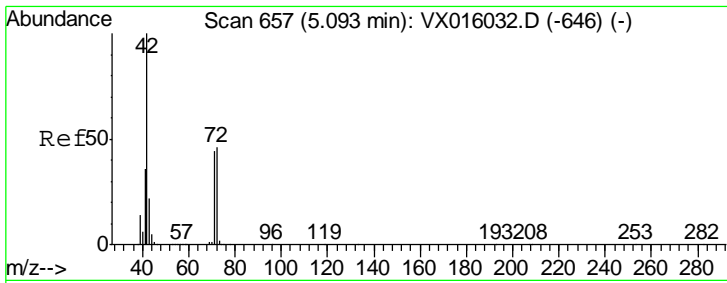
Tgt Ion: 56 Resp: 511  
 Ion Ratio Lower Upper  
 56 100  
 55 8.6 56.5 84.7#



#16  
 Acetone  
 Concen: 1.721 ug/l  
 RT: 2.42 min Scan# 218  
 Delta R.T. -0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion: 43 Resp: 3090  
 Ion Ratio Lower Upper  
 43 100  
 58 30.5 25.4 38.0

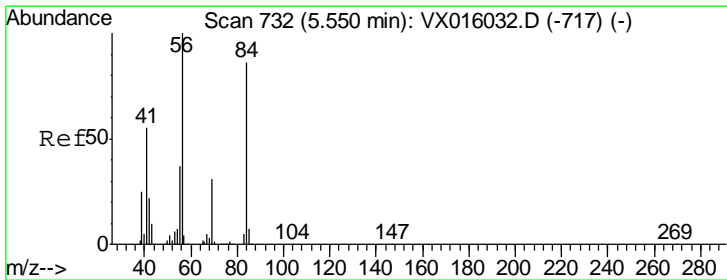
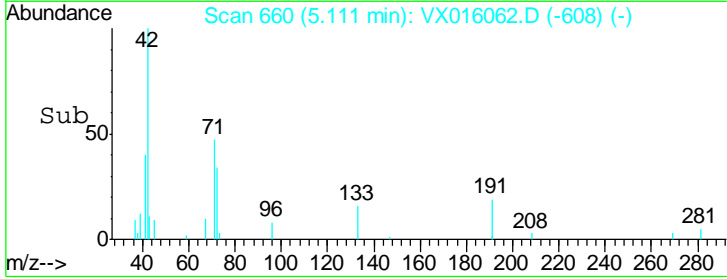
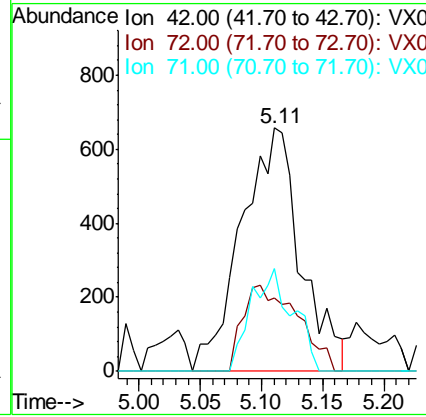
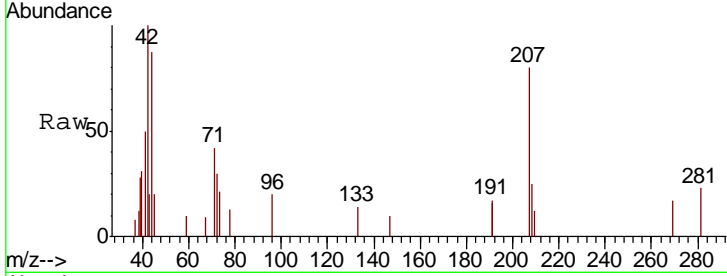




#29  
 Tetrahydrofuran  
 Concen: 1.158 ug/l  
 RT: 5.11 min Scan# 660  
 Delta R.T. 0.02 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

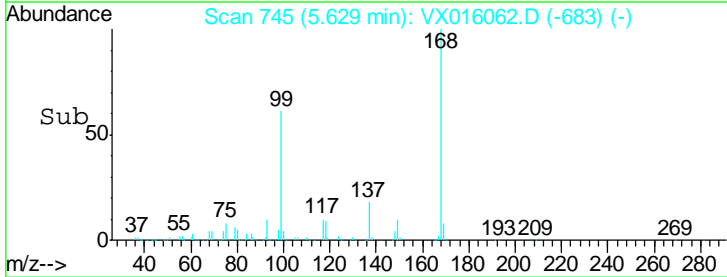
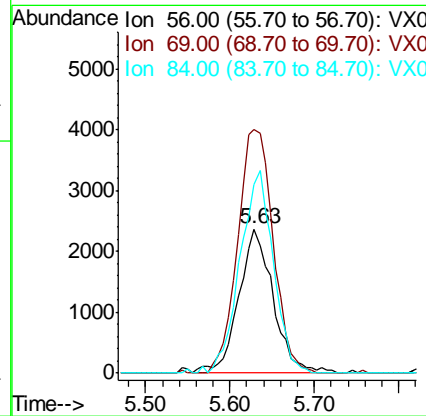
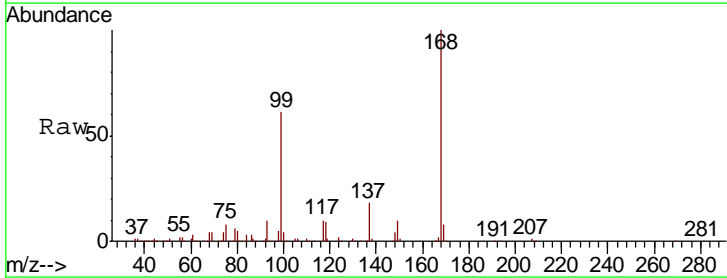
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BP-VPB180-EB-20200504

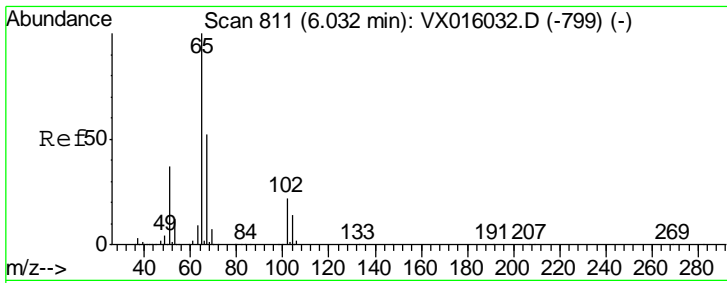
Tgt Ion	Resp	Lower	Upper
42	100		
72	32.4	37.1	55.7#
71	29.9	34.5	51.7#



#31  
 Cyclohexane  
 Concen: 1.183 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. 0.08 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
56	100		
69	168.9	25.0	37.6#
84	130.7	69.0	103.6#

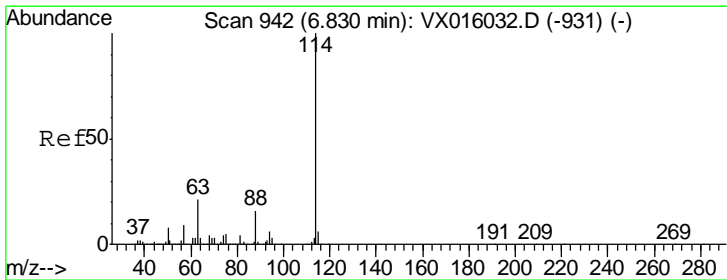
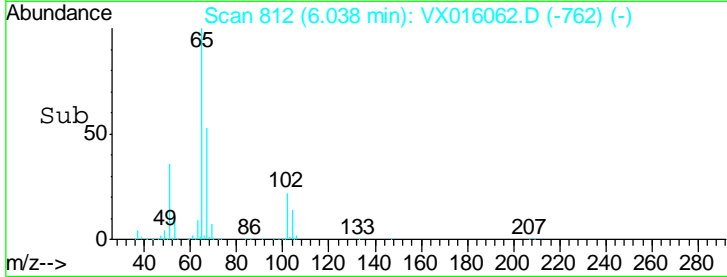
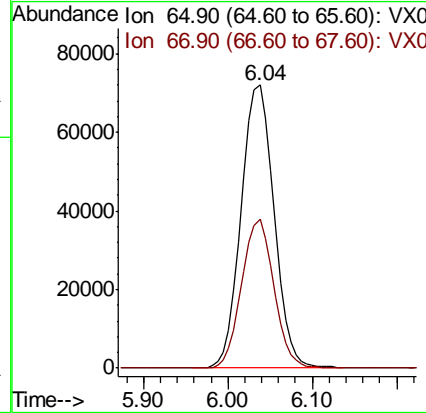
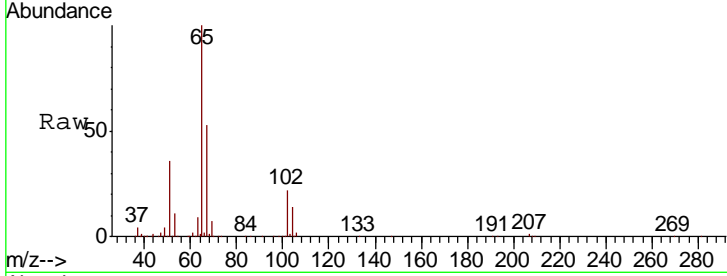




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.384 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

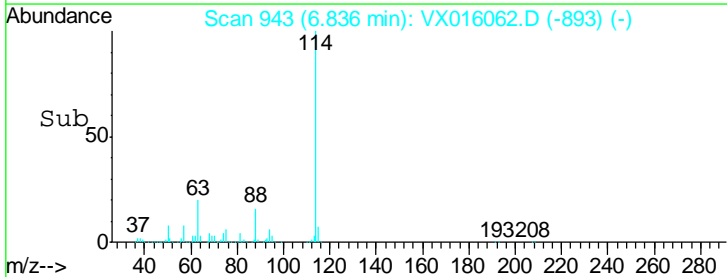
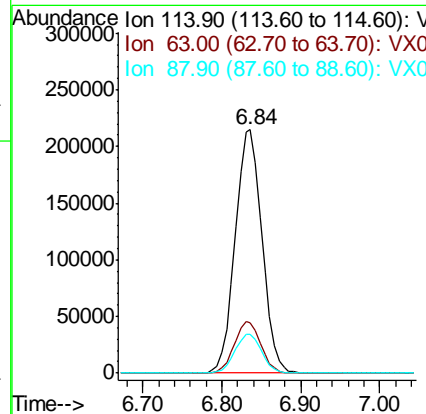
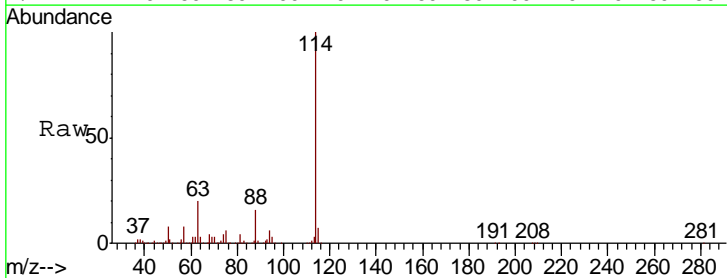
Instrument :  
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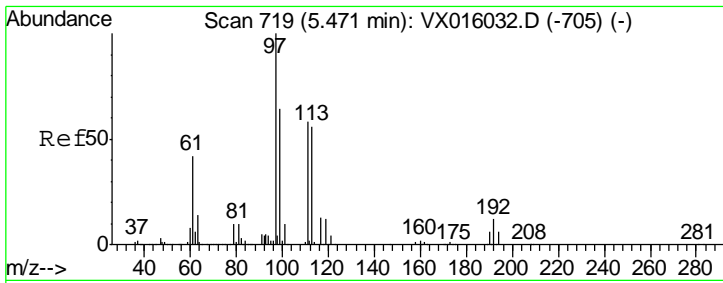
Tgt Ion	Resp	Lower	Upper
65	190677		
67	51.7	0.0	104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
114	507193		
63	20.4	0.0	42.8
88	15.9	0.0	31.4

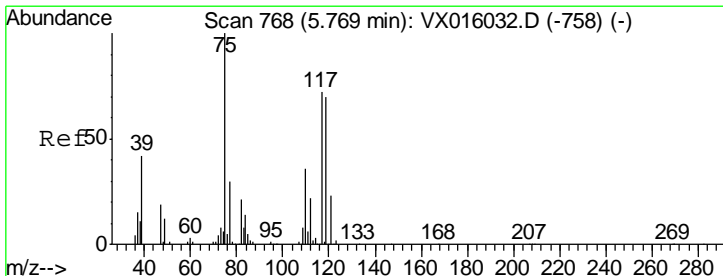
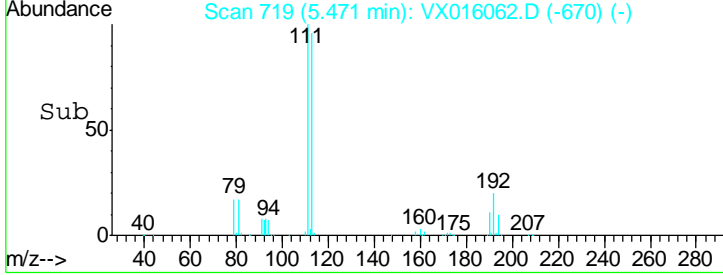
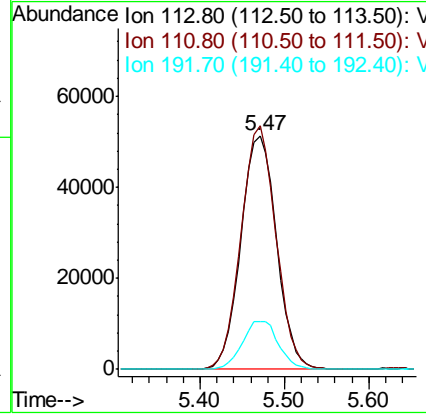
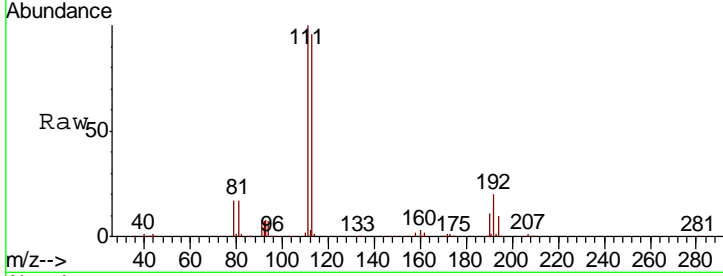




#35  
 Dibromofluoromethane  
 Concen: 45.806 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

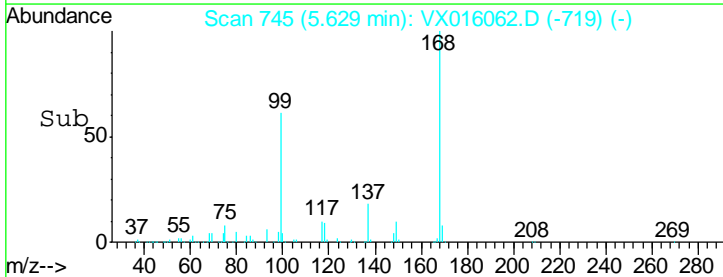
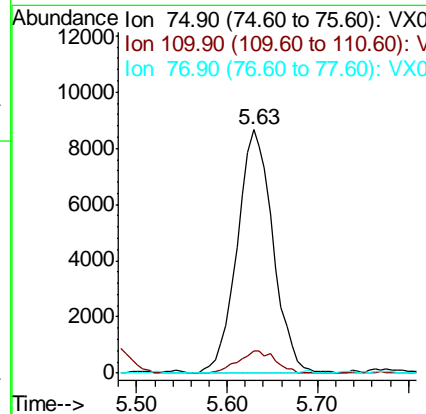
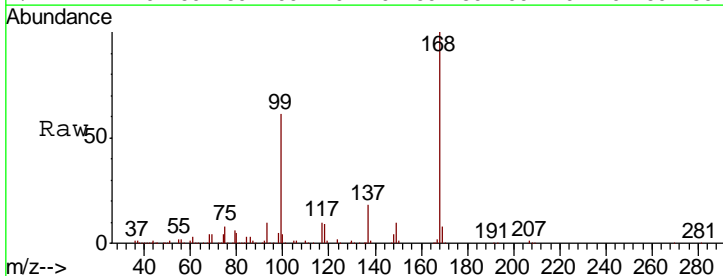
Instrument :  
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Tgt Ion	Resp	Lower	Upper
113	147188		
113	100		
111	102.1	81.6	122.4
192	21.1	17.0	25.4

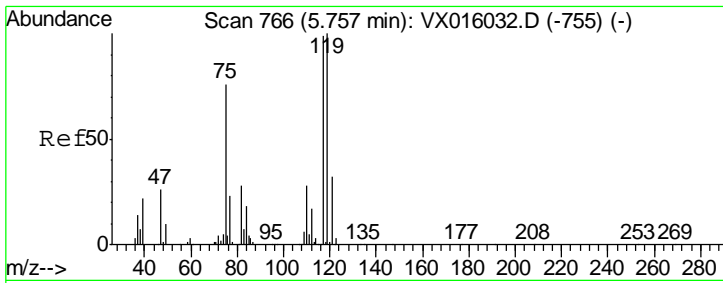


#36  
 1,1-Dichloropropene  
 Concen: 4.732 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. -0.14 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
75	23625		
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#



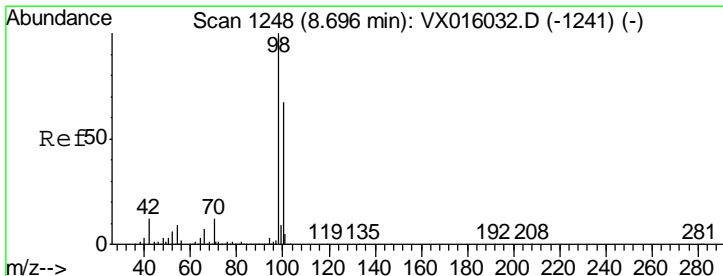
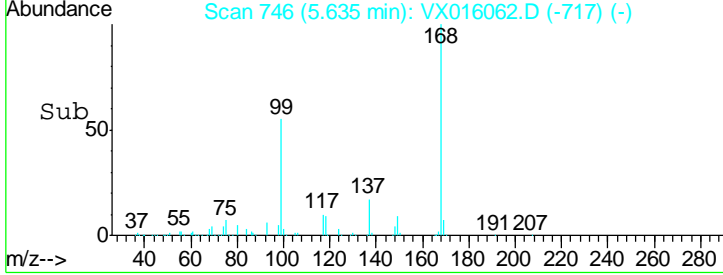
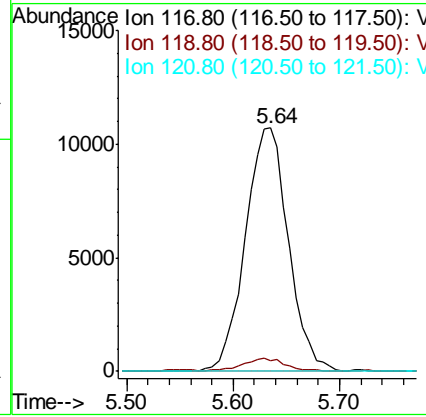
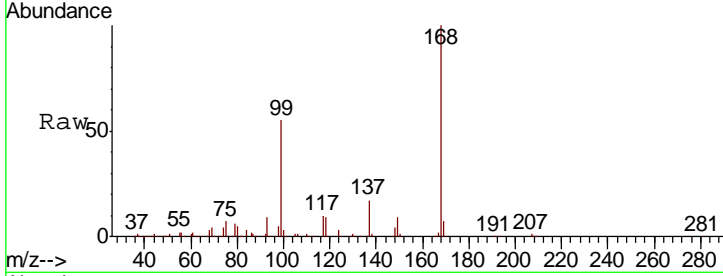




#38  
 Carbon Tetrachloride  
 Concen: 5.983 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. -0.12 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

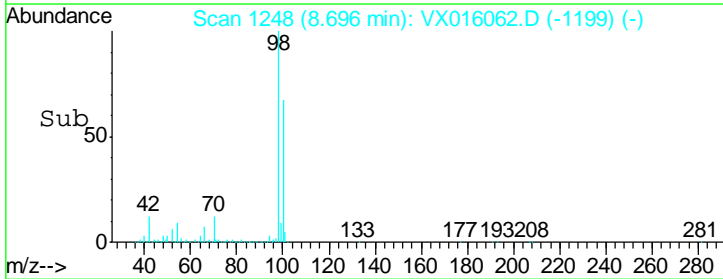
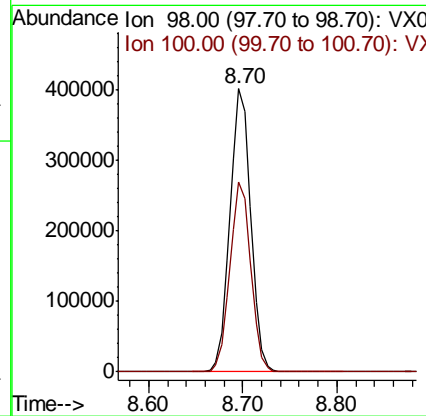
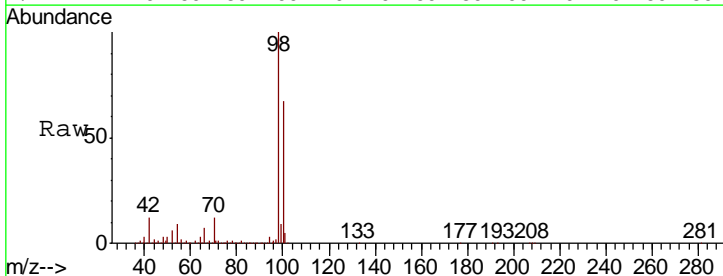
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 BP-VPB180-EB-20200504

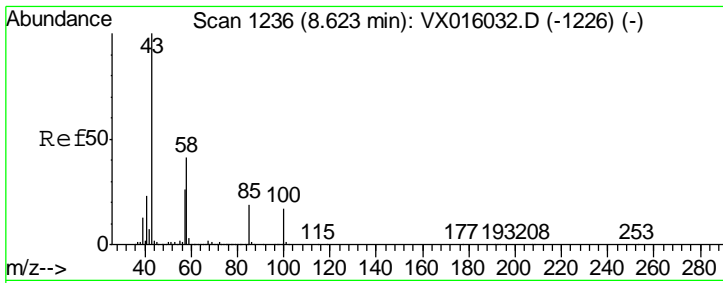
Tgt Ion	Resp	Lower	Upper
117	100		
119	4.2	80.3	120.5#
121	0.0	25.7	38.5#



#50  
 Toluene-d8  
 Concen: 49.881 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.9	53.7	80.5

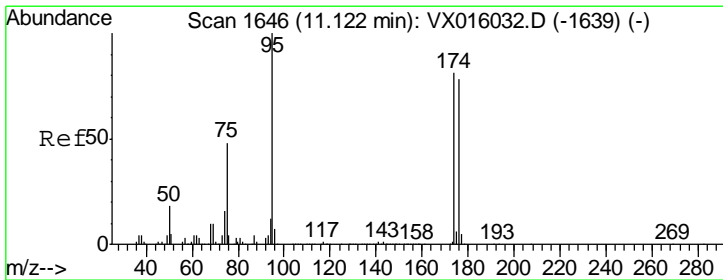
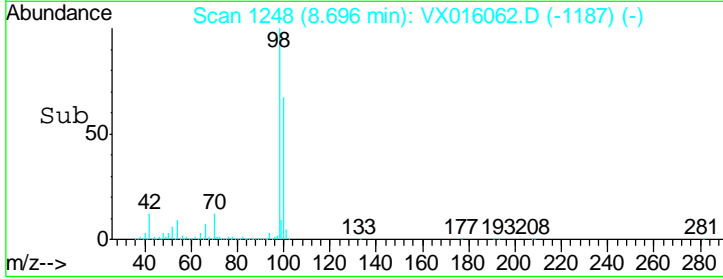
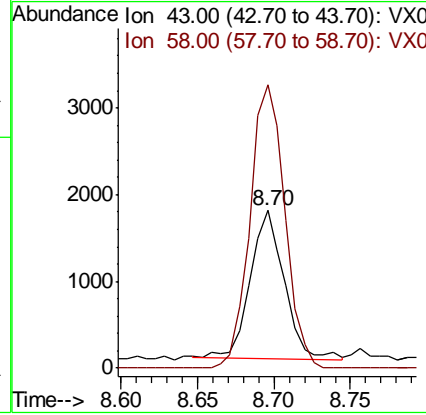
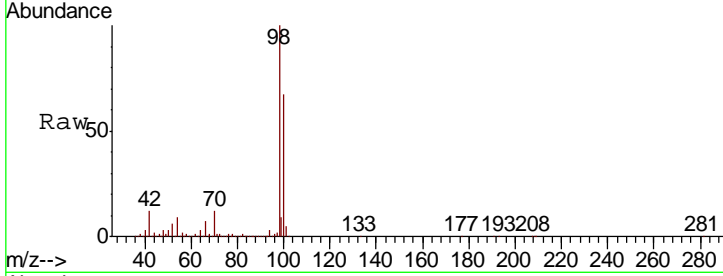




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.464 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. 0.07 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

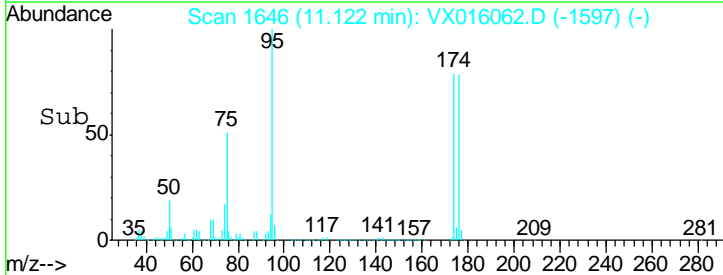
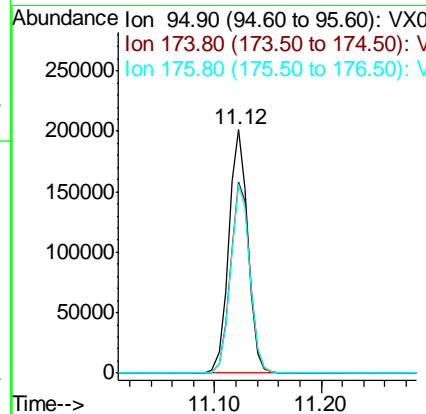
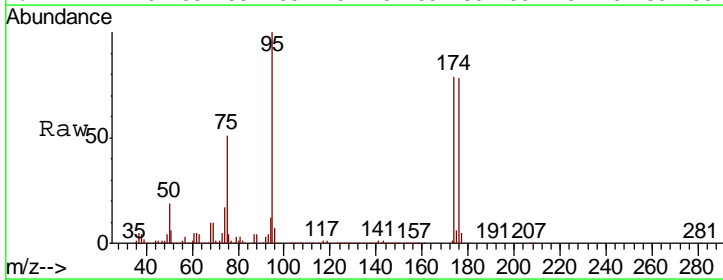
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BP-VPB180-EB-20200504

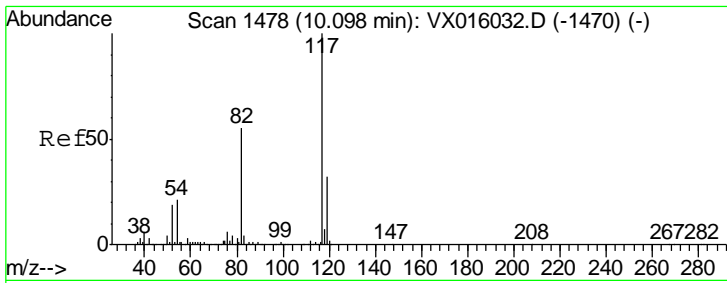
Tgt Ion	Resp	Lower	Upper
43	100		
58	197.3	33.0	49.4#



#62  
 4-Bromofluorobenzene  
 Concen: 53.298 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
95	100		
174	79.9	0.0	159.4
176	78.2	0.0	157.6

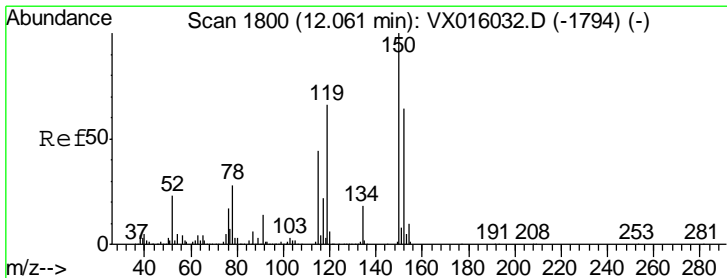
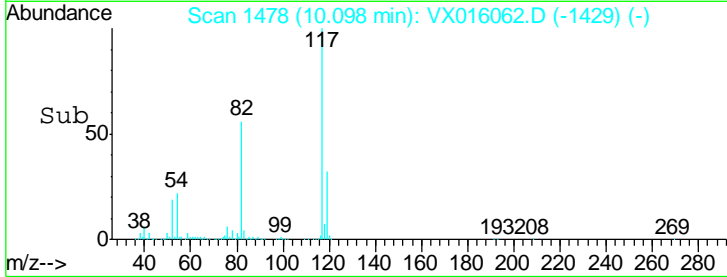
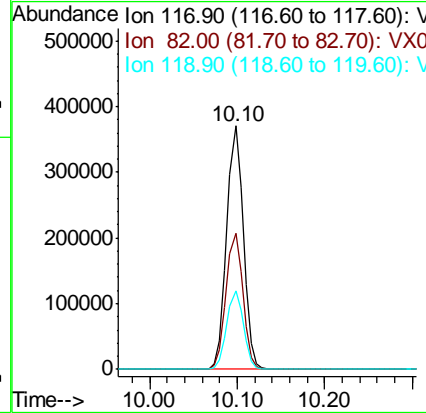
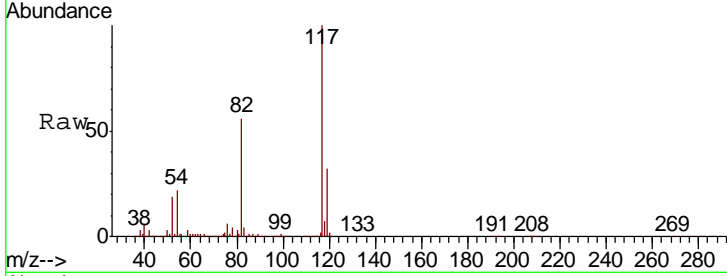




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.10 min Scan# 1478  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

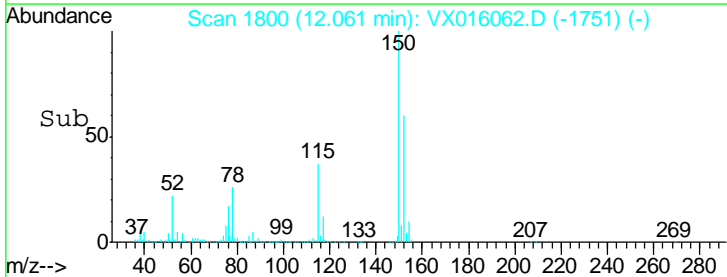
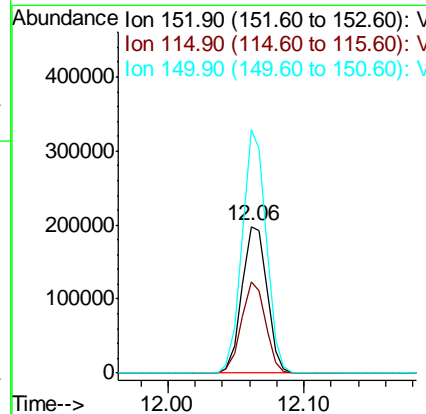
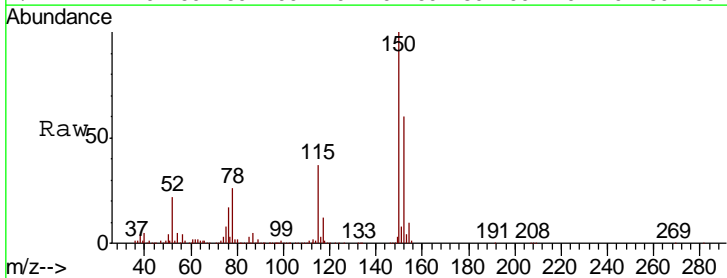
Instrument : MSVOA\_X  
 ClientSampled : BP-VPB180-EB-20200504

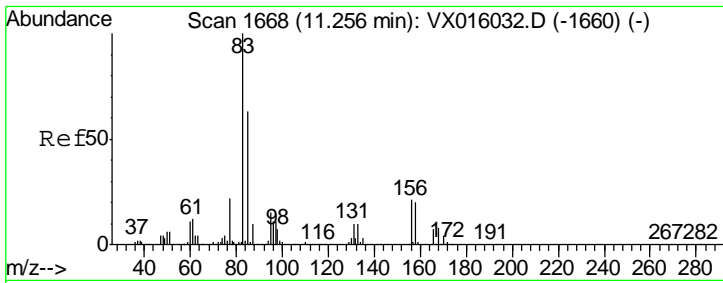
Tgt Ion	Resp	Lower	Upper
117	487714		
82	56.0	44.4	66.6
119	32.4	25.5	38.3



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.06 min Scan# 1800  
 Delta R.T. -0.00 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
152	254795		
115	59.6	41.3	124.1
150	158.5	0.0	352.2

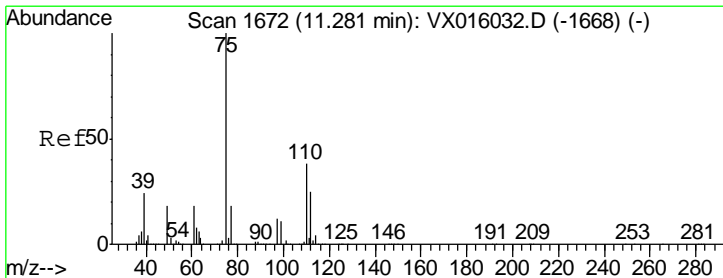
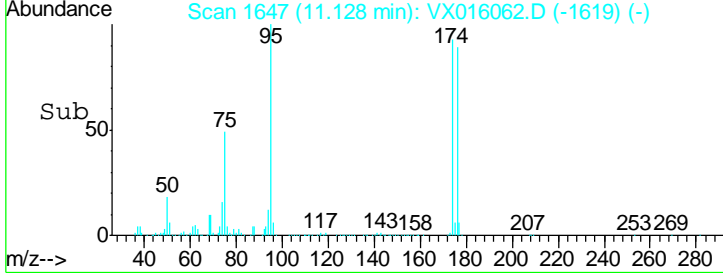
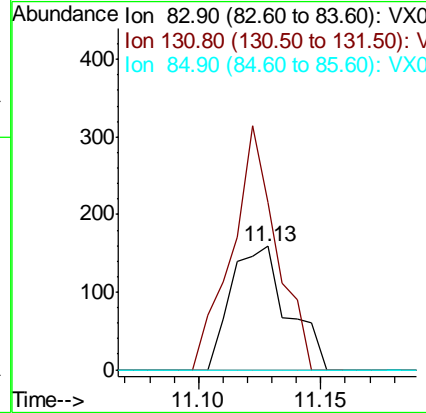
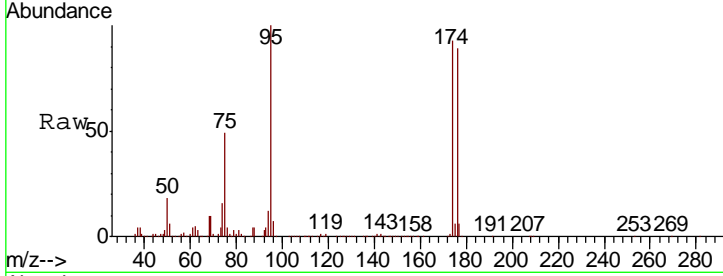




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 4.870 ug/l  
 RT: 11.13 min Scan# 1647  
 Delta R.T. -0.13 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

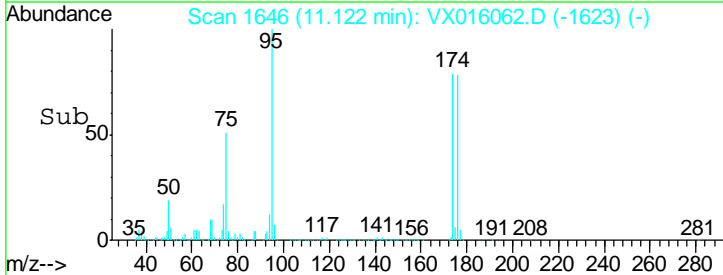
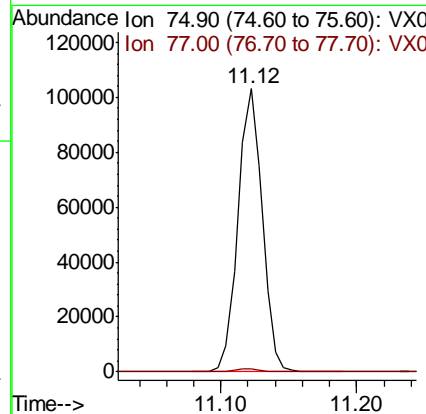
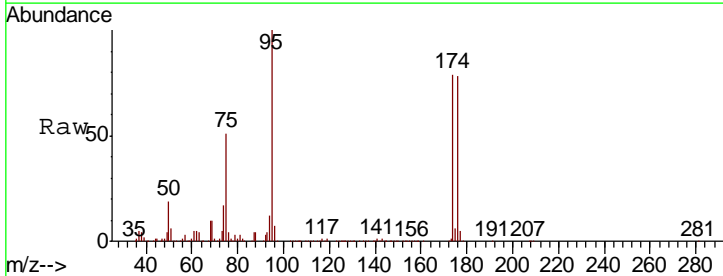
**Instrument :**  
 MSVOA\_X  
**ClientSampled :**  
 BP-VPB180-EB-20200504

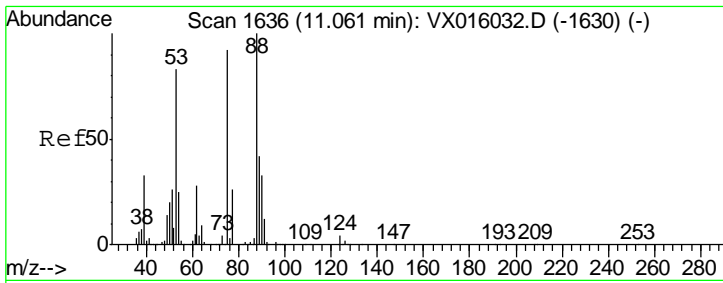
Tgt Ion	Resp	Lower	Upper
83	100		
131	153.9	5.1	15.4#
85	0.0	32.0	96.0#



#76  
 1,2,3-Trichloropropane  
 Concen: 22.114 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. -0.16 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.3	21.2	63.6#

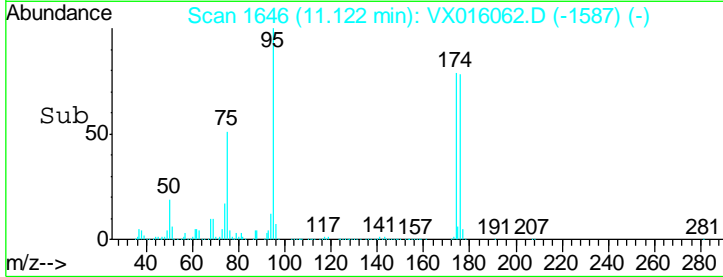
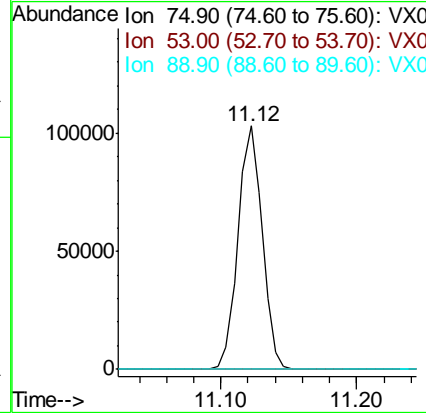
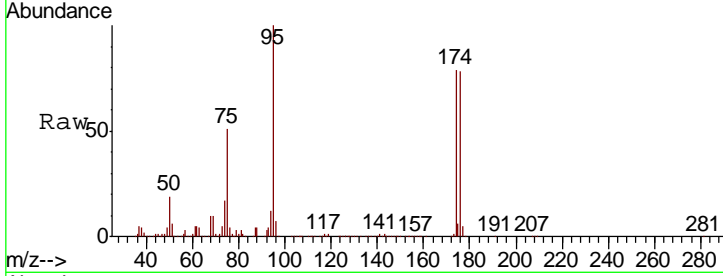




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 52.699 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. 0.06 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BP-VPB180-EB-20200504

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.1	73.1	109.7#
89	0.1	36.7	55.1#



#94  
 Hexachlorobutadiene  
 Concen: 0.605 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. -0.01 min  
 Lab File: VX016062.D  
 Acq: 05 May 2020 14:34

Tgt Ion	Resp	Lower	Upper
225	100		
223	49.1	32.3	96.9
227	22.5	31.8	95.4#

