

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052620\  
 Data File : VX016439.D  
 Acq On : 26 May 2020 20:43  
 Operator : JC/SP  
 Sample : L2498-16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampled :

Quant Time: May 27 05:25:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052620W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 26 16:32:50 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	112829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	204895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	214576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	102776	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	80665	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
35) Dibromofluoromethane	5.46	113	62271	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	8.70	98	270673	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
62) 4-Bromofluorobenzene	11.12	95	104430	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	

## Target Compounds

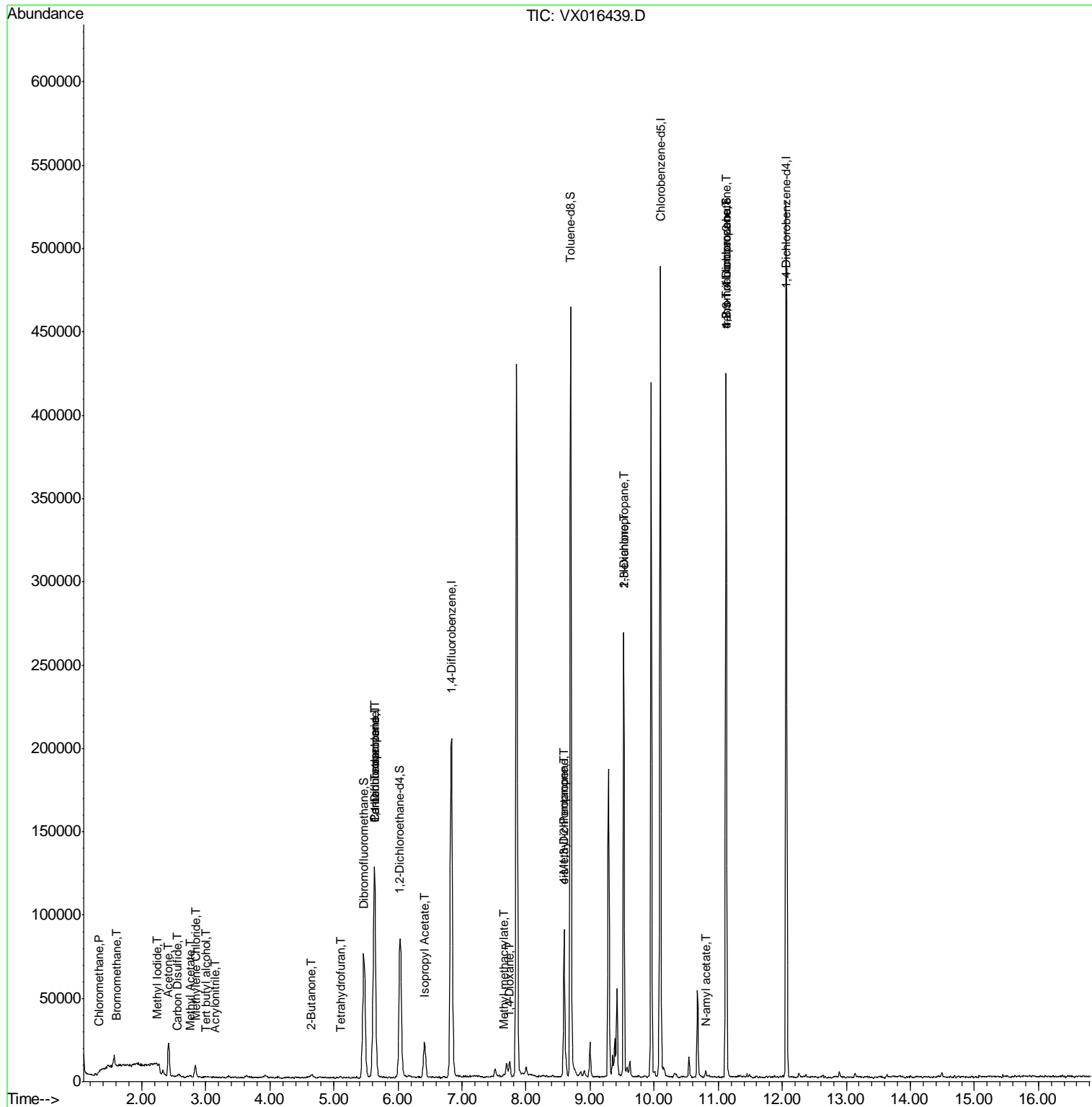
						Qvalue
3) Chloromethane	1.32	50	325	0.290	ug/l #	1
5) Bromomethane	1.61	94	46	2.933	ug/l #	46
10) Methyl Iodide	2.24	142	20	5.702	ug/l #	1
11) Tert butyl alcohol	3.00	59	553	1.637	ug/l	99
13) Acrolein	2.26	56	238	Below Cal		84
15) Acrylonitrile	3.14	53	276	0.410	ug/l #	19
16) Acetone	2.42	43	21460	36.865	ug/l	100
17) Carbon Disulfide	2.55	76	903	0.279	ug/l	100
18) Methyl Acetate	2.75	43	1638	1.154	ug/l	90
20) Methylene Chloride	2.84	84	3400	2.708	ug/l	91
25) 2-Butanone	4.64	43	2327	2.460	ug/l #	78
29) Tetrahydrofuran	5.10	42	496	0.809	ug/l #	69
36) 1,1-Dichloropropene	5.63	75	10110	5.566	ug/l #	49
38) Carbon Tetrachloride	5.63	117	11687	5.936	ug/l #	15
43) Isopropyl Acetate	6.42	43	28827	8.952	ug/l	98
48) Methyl methacrylate	7.65	41	1973	1.345	ug/l #	12
49) 1,4-Dioxane	7.74	88	74	1.960	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	33169	16.298	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	14839	6.364	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	2342	0.996	ug/l #	45
59) 2-Hexanone	9.52	43	28484	18.177	ug/l #	50
74) N-amyl acetate	10.80	43	1815	0.615	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	54070	25.348	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	54070	60.956	ug/l #	15

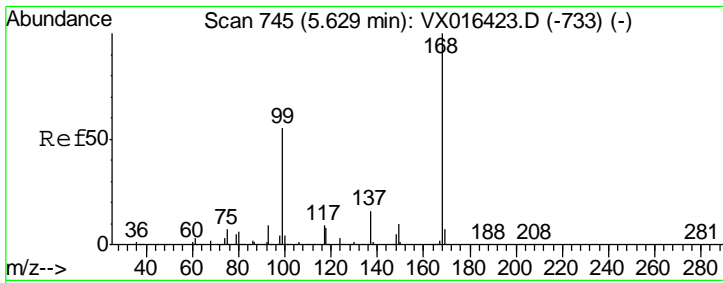
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA\_X  
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Quant Time: May 27 05:25:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052620W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 26 16:32:50 2020  
 Response via : Initial Calibration

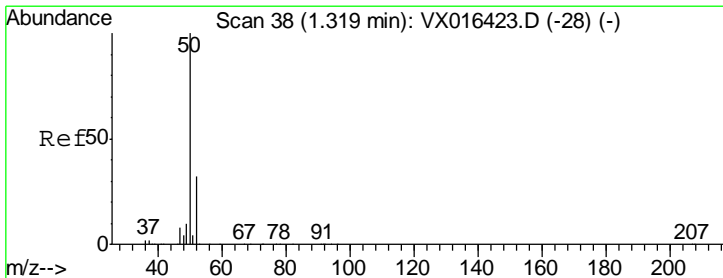
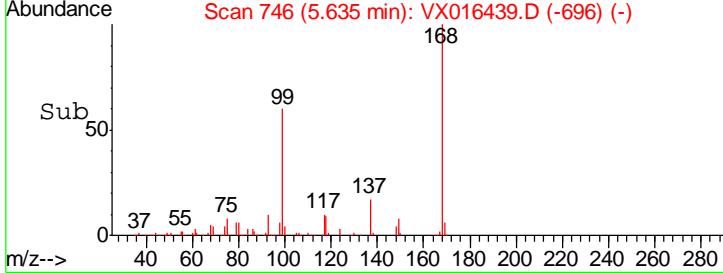
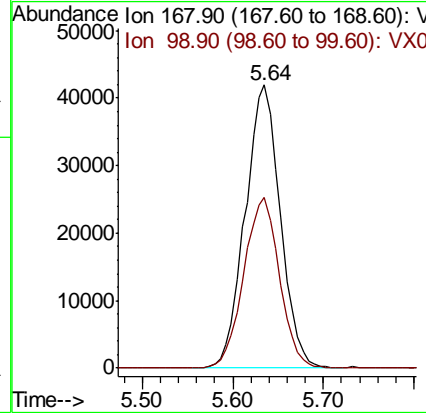
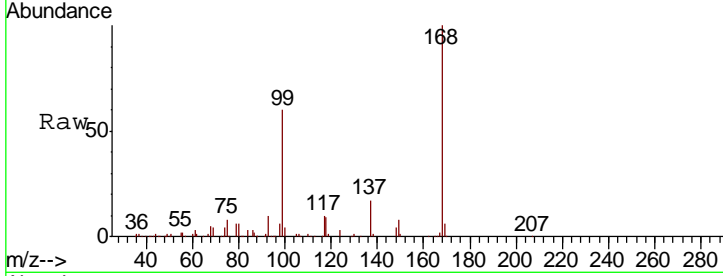




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.64 min Scan# 746  
 Delta R.T. 0.01 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

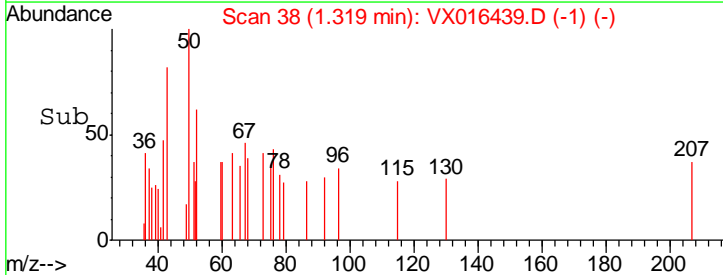
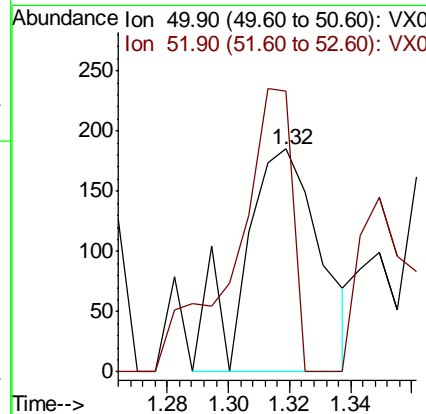
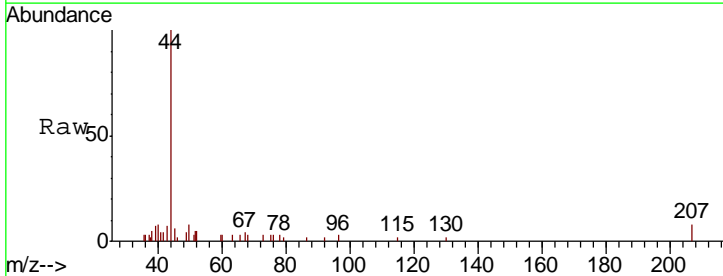
Instrument :  
 MSVOA\_X  
 ClientSampled :

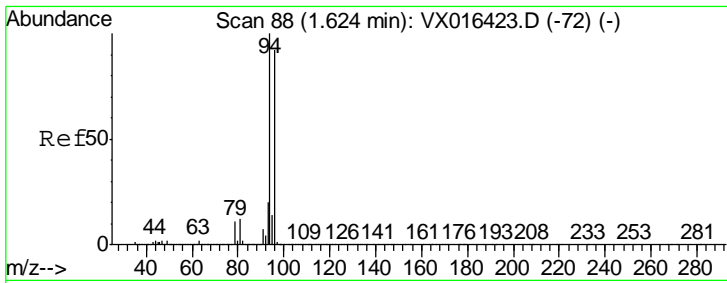
Tgt Ion	Resp	Lower	Upper
168	112829		
99	60.4	44.4	66.6



#3  
 Chloromethane  
 Concen: 0.290 ug/l  
 RT: 1.32 min Scan# 38  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
50	325		
52	125.9	25.9	38.9#

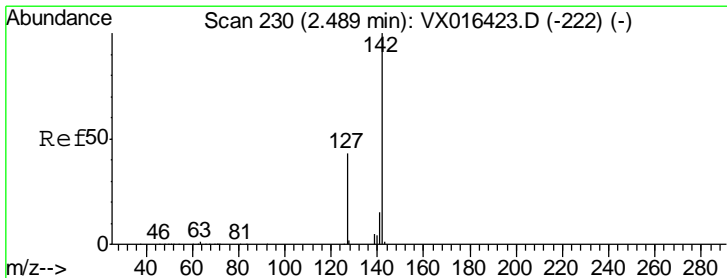
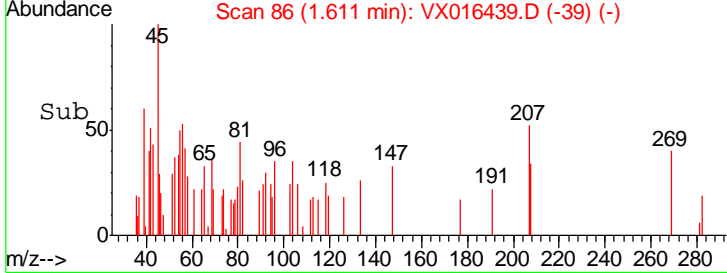
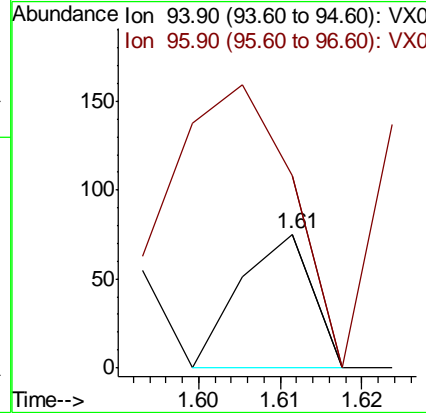
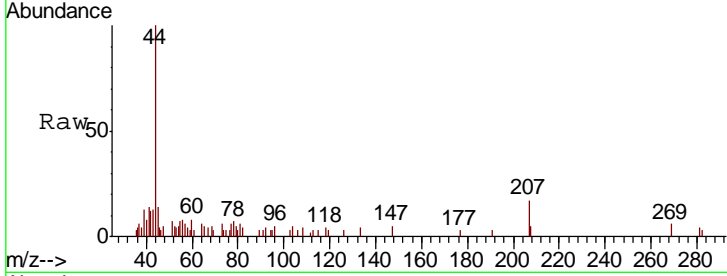




#5  
 Bromomethane  
 Concen: 2.933 ug/l  
 RT: 1.61 min Scan# 86  
 Delta R.T. -0.01 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

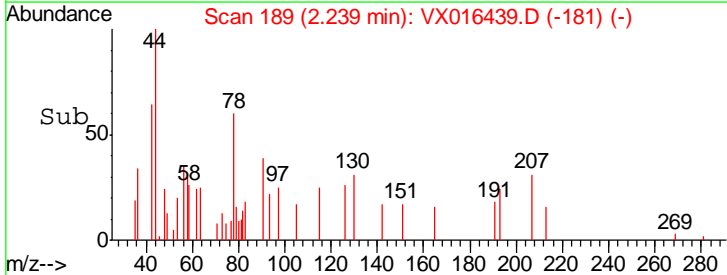
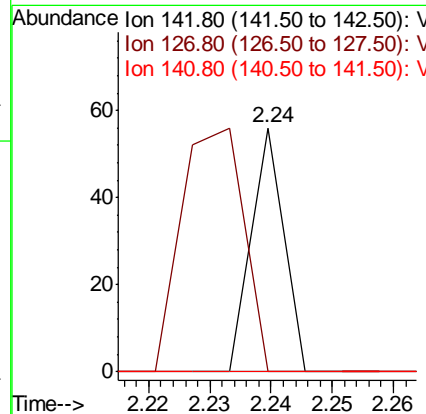
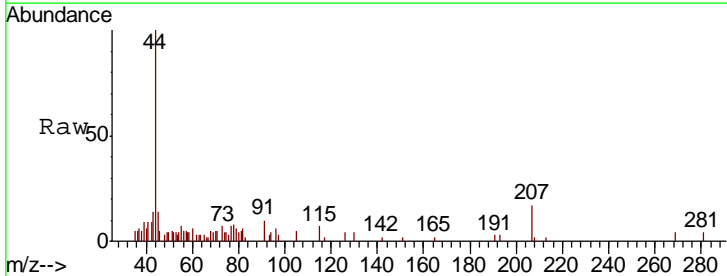
Instrument :  
 MSVOA\_X  
 ClientSampled :

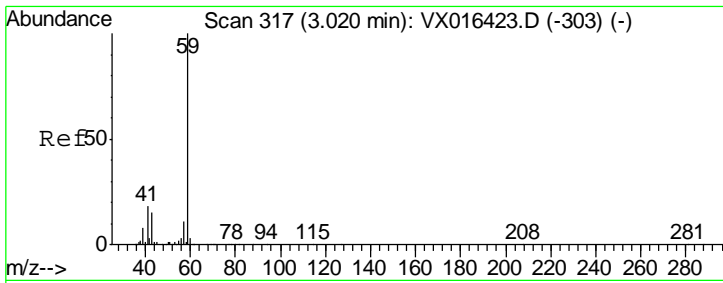
Tgt Ion	Resp	Lower	Upper
94	100		
96	144.0	73.7	110.5#



#10  
 Methyl Iodide  
 Concen: 5.702 ug/l  
 RT: 2.24 min Scan# 189  
 Delta R.T. -0.25 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
142	100		
127	200.0	36.2	54.4#
141	0.0	12.2	18.2#

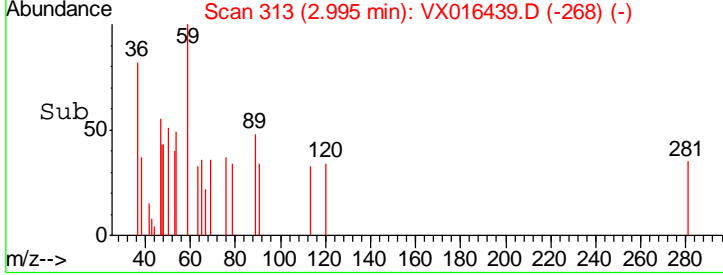
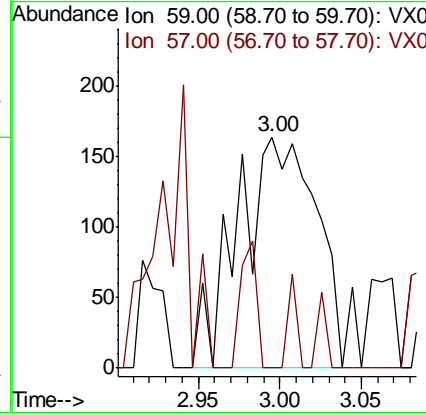
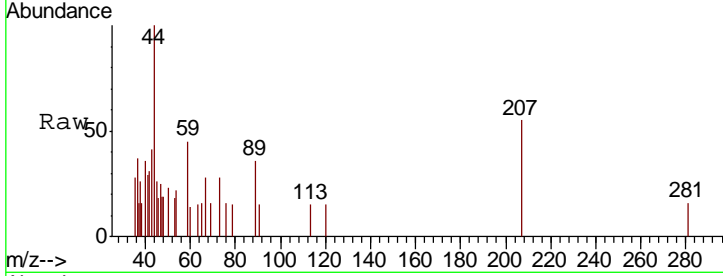




#11  
 Tert butyl alcohol  
 Concen: 1.637 ug/l  
 RT: 3.00 min Scan# 313  
 Delta R.T. -0.02 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

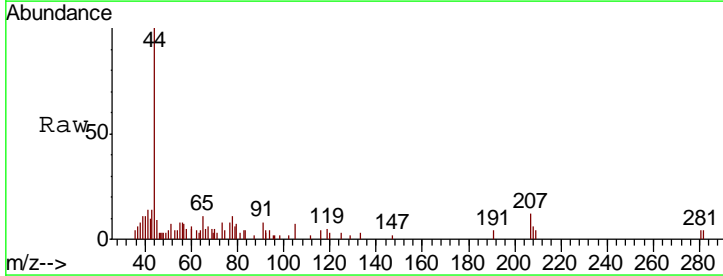
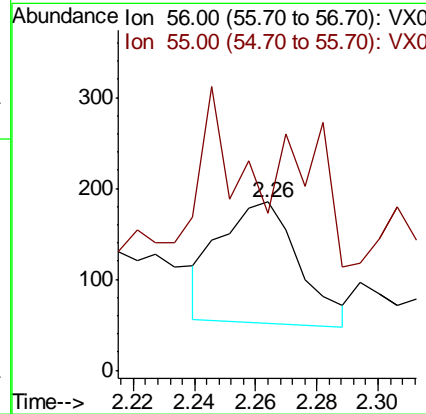
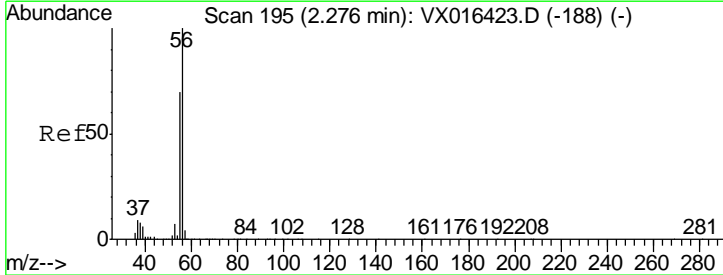
Instrument :  
 MSVOA\_X  
 ClientSampled :

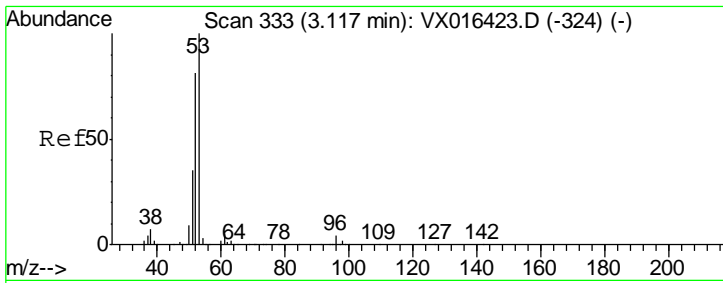
Tgt Ion	Resp	Lower	Upper
59	100		
57	10.8	8.5	12.7



#13  
 Acrolein  
 Concen: Below Cal  
 RT: 2.26 min Scan# 193  
 Delta R.T. -0.01 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
56	100		
55	57.1	56.5	84.7

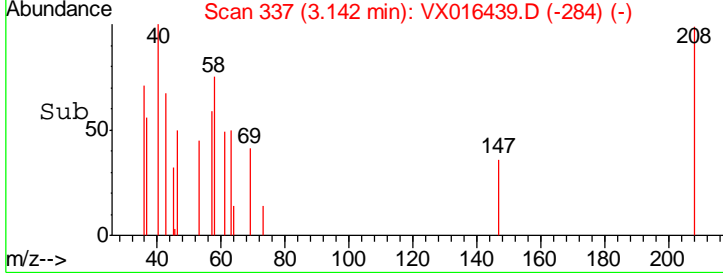
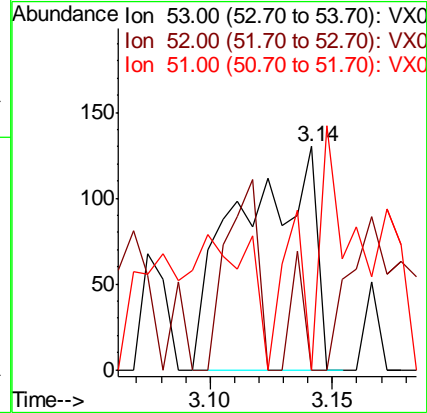
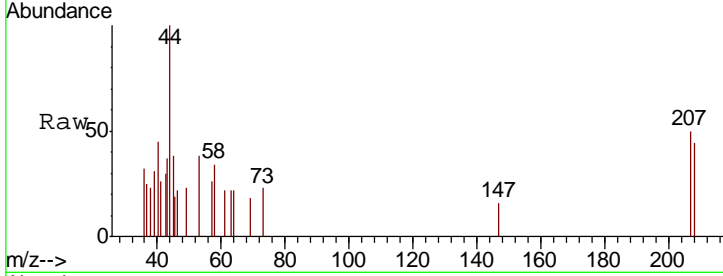




#15  
 Acrylonitrile  
 Concen: 0.410 ug/l  
 RT: 3.14 min Scan# 337  
 Delta R.T. 0.02 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

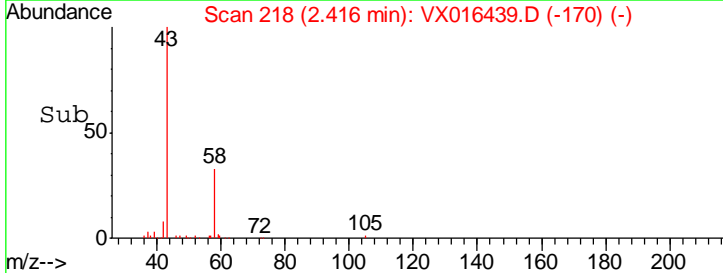
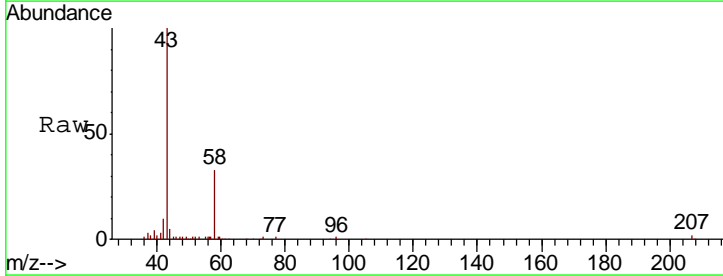
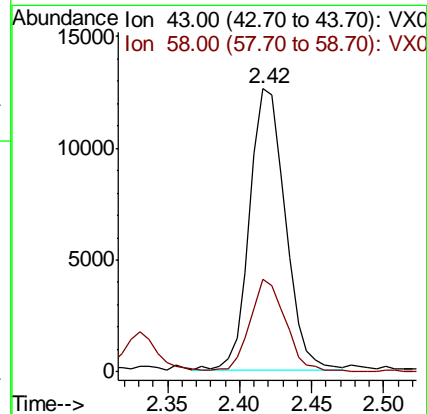
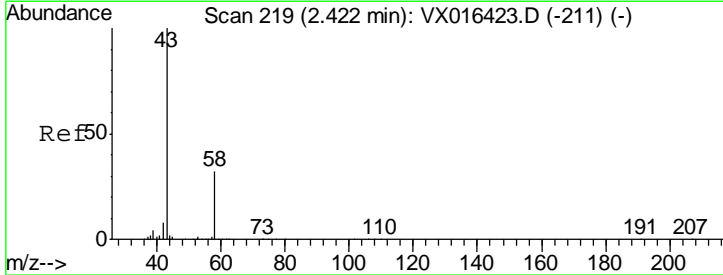
Instrument :  
 MSVOA\_X  
 ClientSampled :

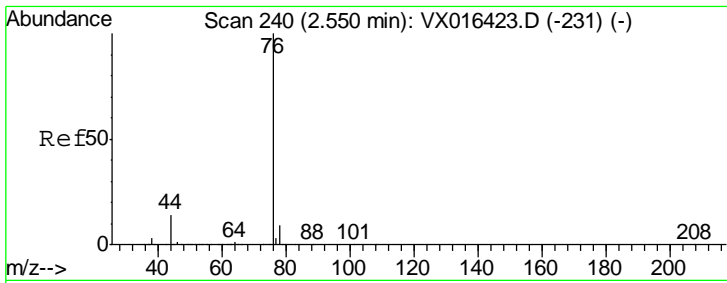
Tgt Ion	Resp	Lower	Upper
53	100		
52	0.0	65.4	98.2#
51	67.8	28.4	42.6#



#16  
 Acetone  
 Concen: 36.865 ug/l  
 RT: 2.42 min Scan# 218  
 Delta R.T. -0.01 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.6	26.0	39.0

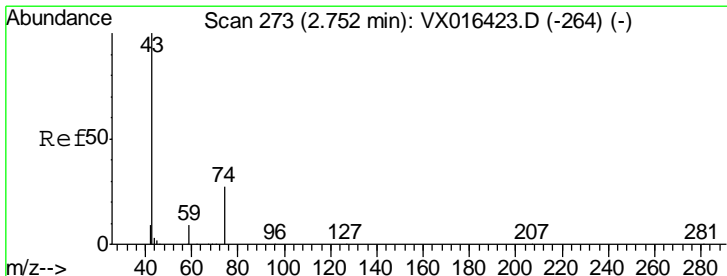
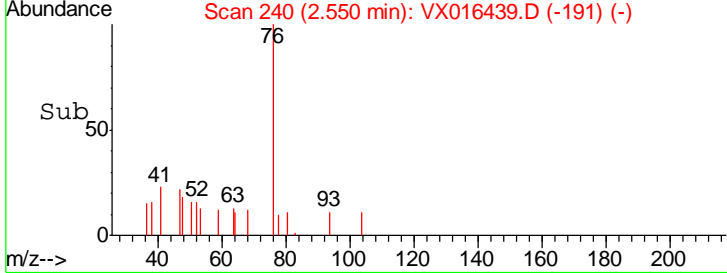
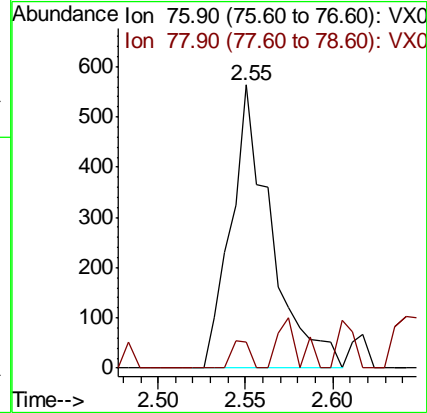
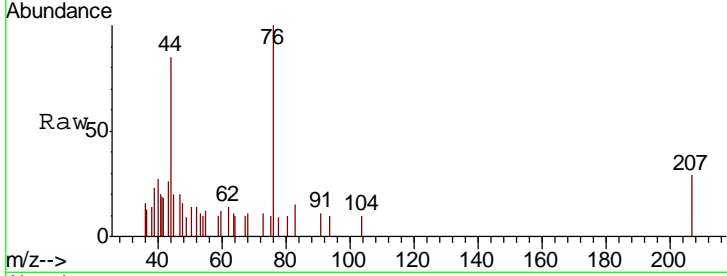




#17  
 Carbon Disulfide  
 Concen: 0.279 ug/l  
 RT: 2.55 min Scan# 240  
 Delta R.T. 0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

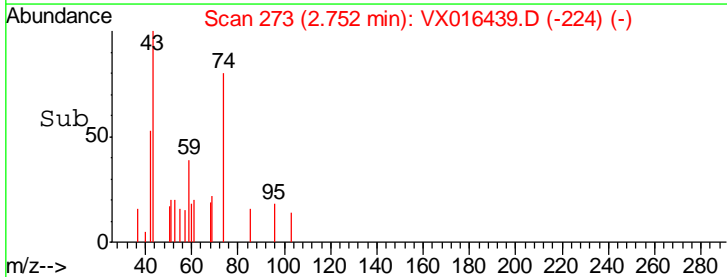
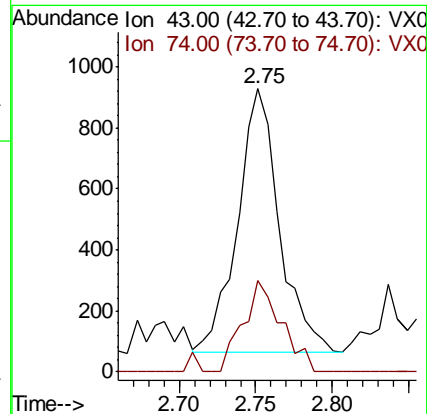
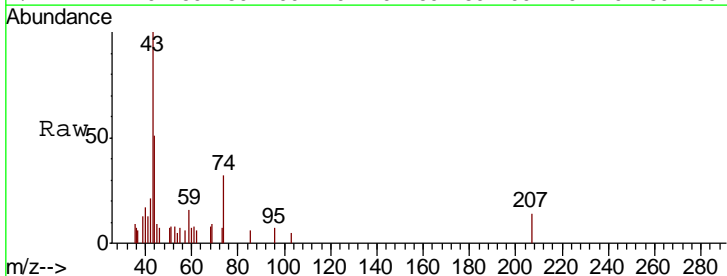
Instrument :  
 MSVOA\_X  
 ClientSampled :

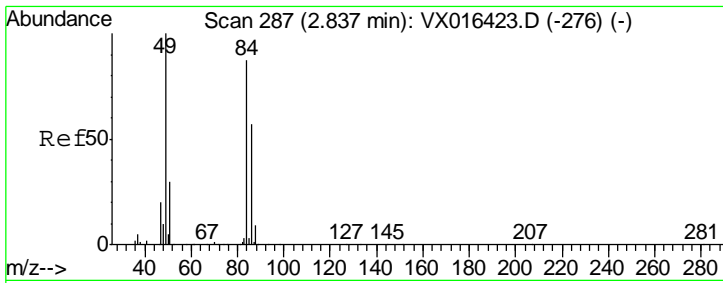
Tgt Ion	Resp	Lower	Upper
76	903		
78	9.1	7.4	11.0



#18  
 Methyl Acetate  
 Concen: 1.154 ug/l  
 RT: 2.75 min Scan# 273  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
43	1638		
74	31.6	21.3	31.9



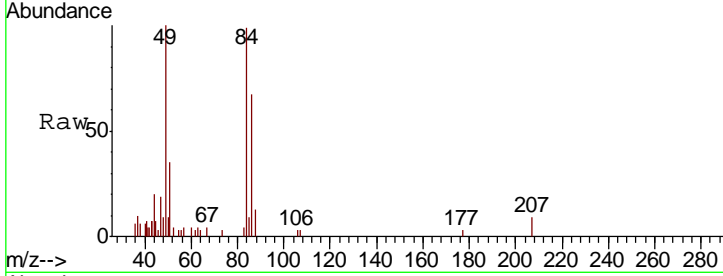


#20  
Methylene Chloride  
Concen: 2.708 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. -0.00 min  
Lab File: VX016439.D  
Acq: 26 May 2020 20:43

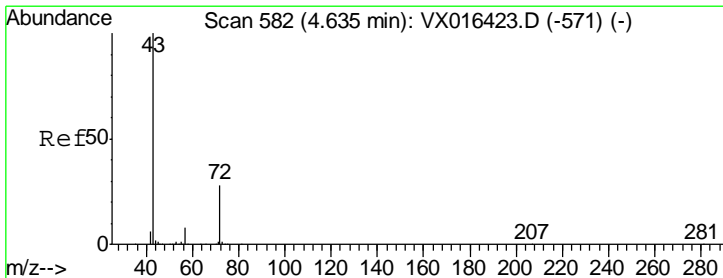
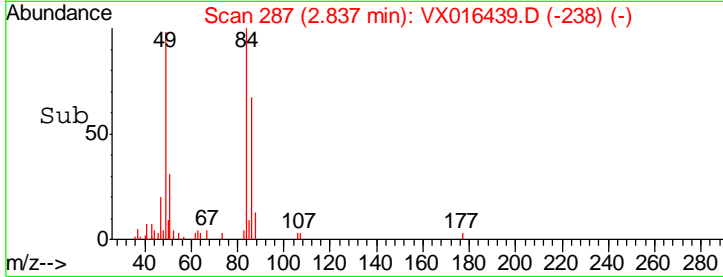
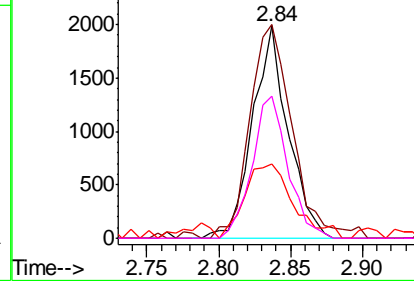
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 84 Resp: 3400

Ion	Ratio	Lower	Upper
84	100		
49	98.1	92.2	138.4
51	34.8	27.8	41.8
86	67.0	52.5	78.7



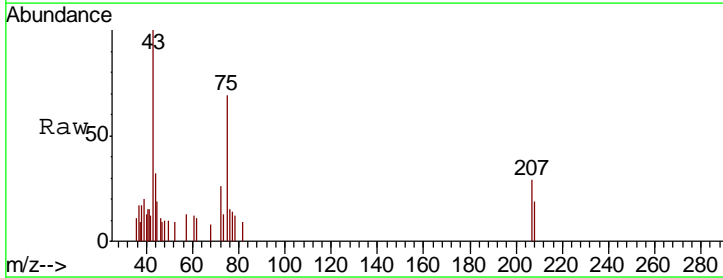
Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0



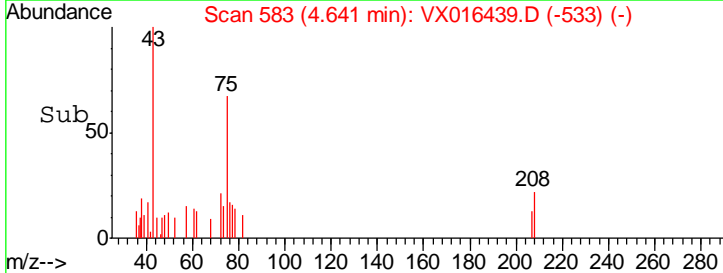
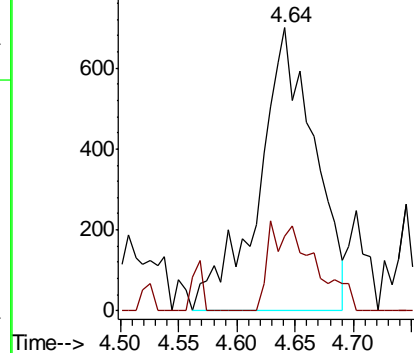
#25  
2-Butanone  
Concen: 2.460 ug/l  
RT: 4.64 min Scan# 583  
Delta R.T. 0.01 min  
Lab File: VX016439.D  
Acq: 26 May 2020 20:43

Tgt Ion: 43 Resp: 2327

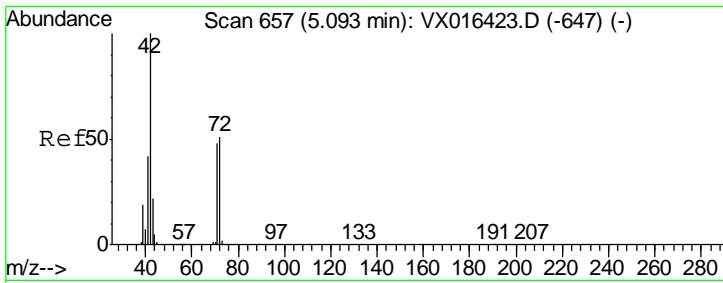
Ion	Ratio	Lower	Upper
43	100		
72	16.7	22.7	34.1#



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



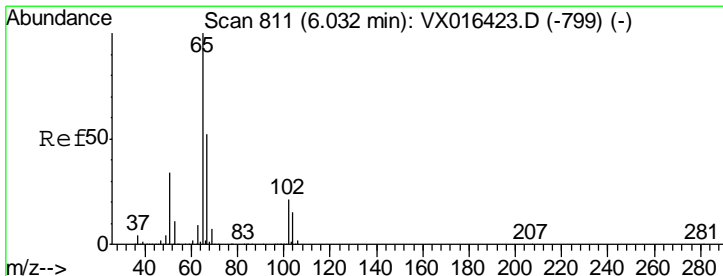
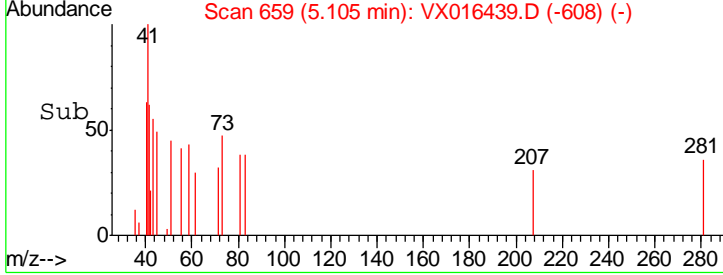
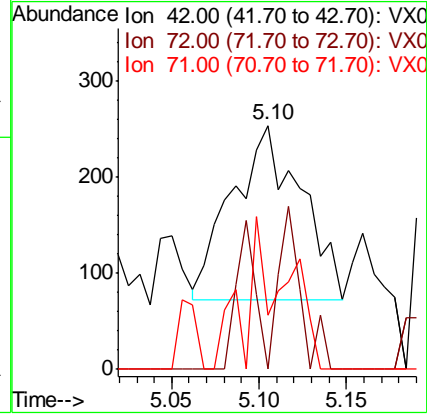
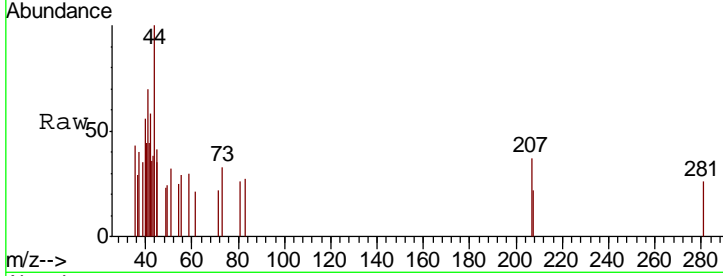




#29  
 Tetrahydrofuran  
 Concen: 0.809 ug/l  
 RT: 5.10 min Scan# 659  
 Delta R.T. 0.01 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

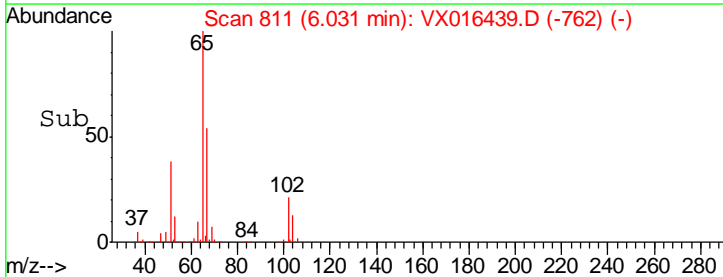
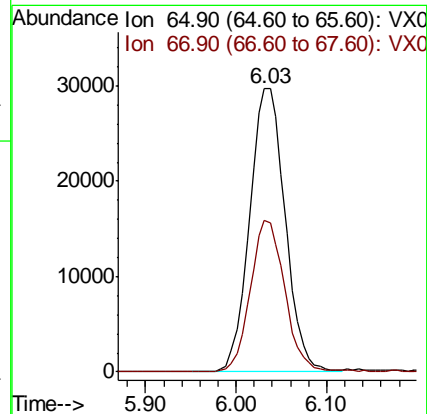
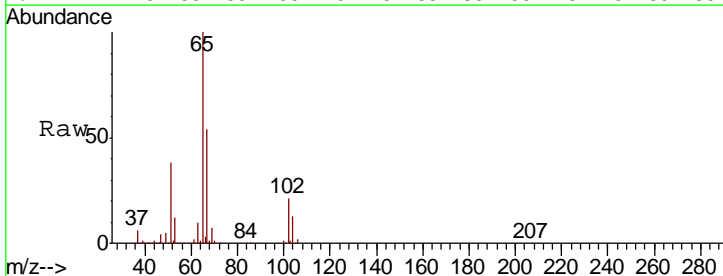
Instrument :  
 MSVOA\_X  
 ClientSampled :

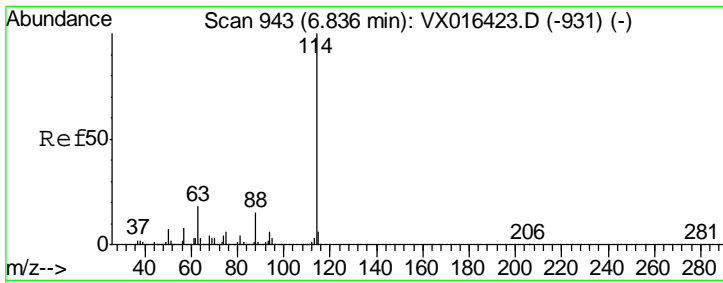
Tgt Ion	Resp	Lower	Upper
42	100		
72	23.6	40.2	60.4#
71	32.5	37.7	56.5#



#33  
 1,2-Dichloroethane-d4  
 Concen: 55.194 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.6	0.0	104.2

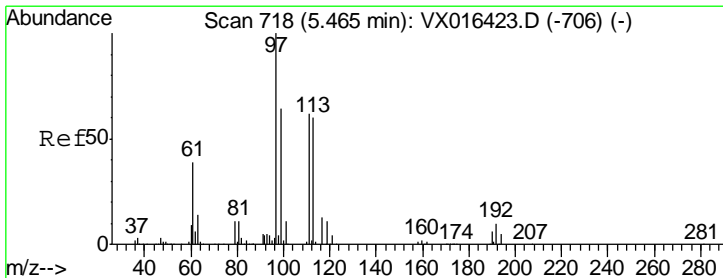
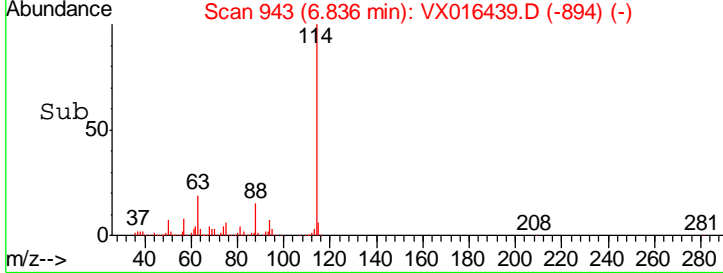
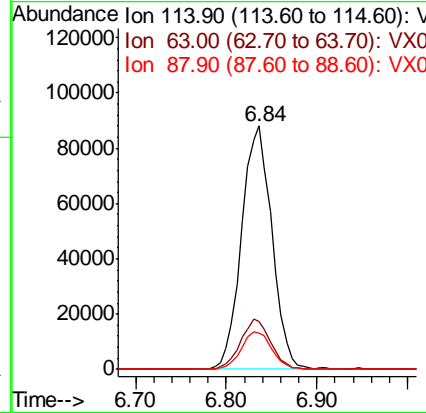
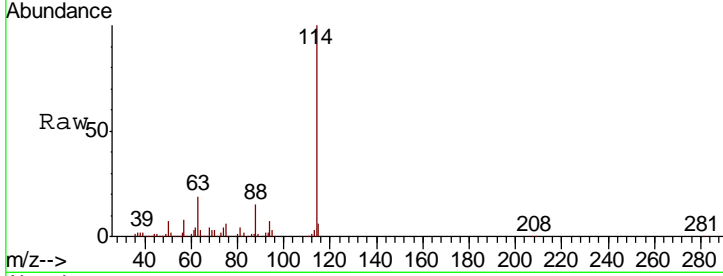




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

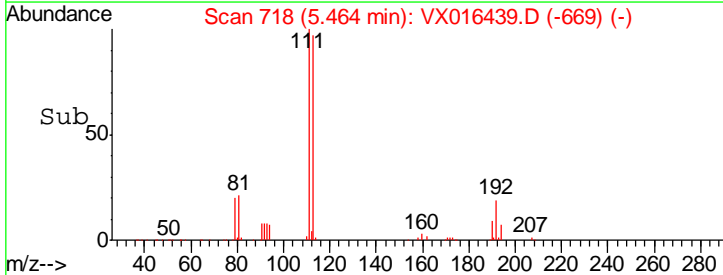
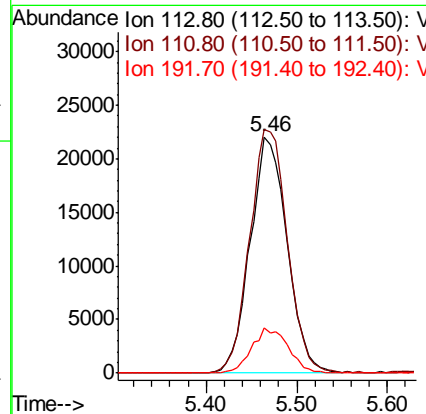
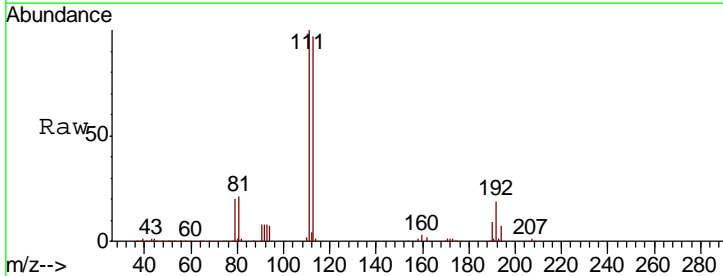
Instrument :  
 MSVOA\_X  
 ClientSampled :

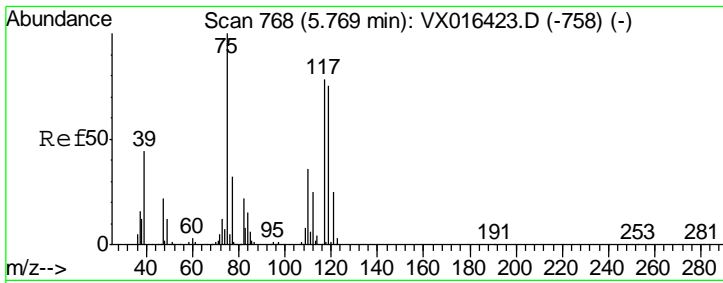
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.5	0.0	36.4
88	14.8	0.0	29.2



#35  
 Dibromofluoromethane  
 Concen: 47.516 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
113	100		
111	105.2	82.5	123.7
192	18.7	16.5	24.7

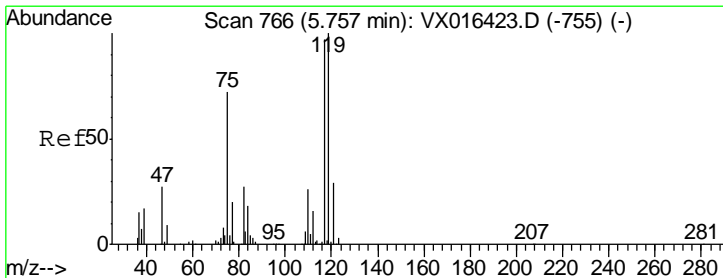
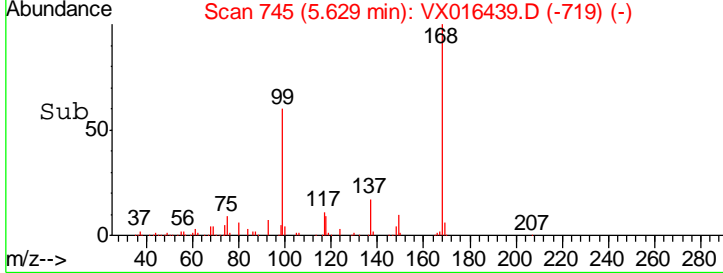
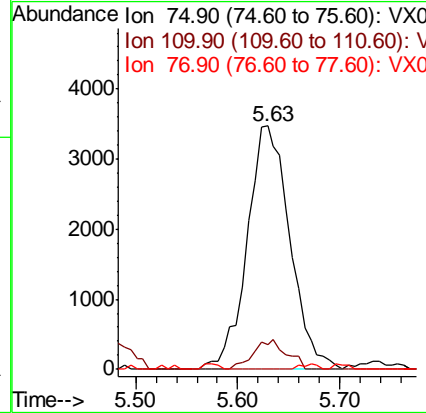
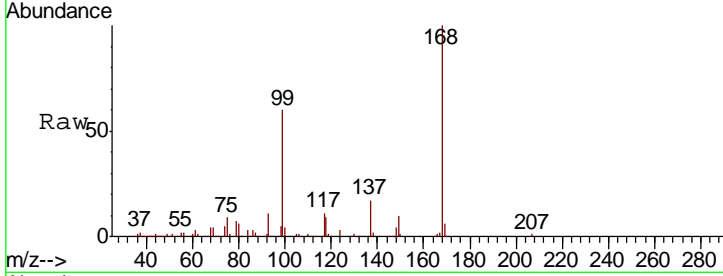




#36  
 1,1-Dichloropropene  
 Concen: 5.566 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. -0.14 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

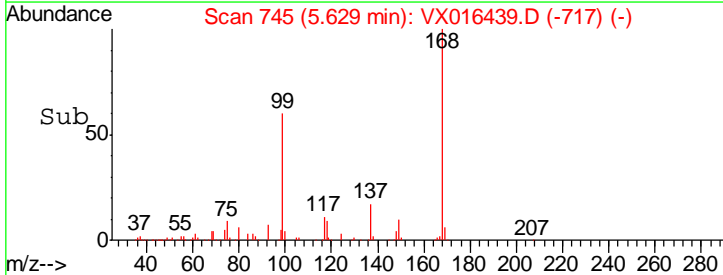
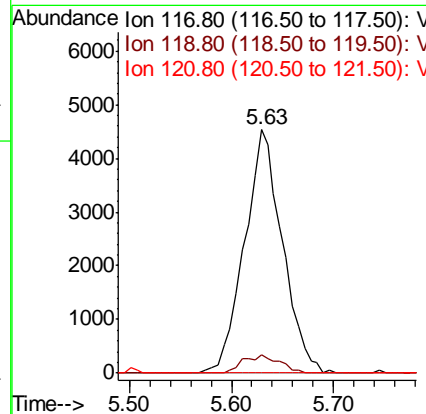
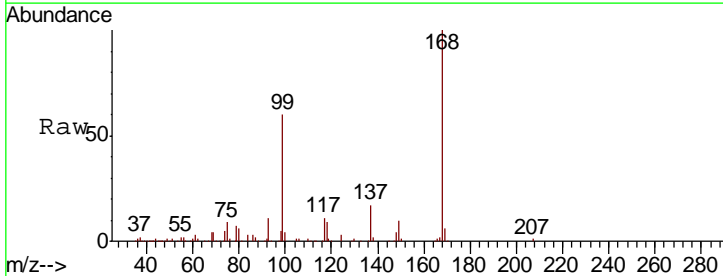
Instrument :  
 MSVOA\_X  
 ClientSampled :

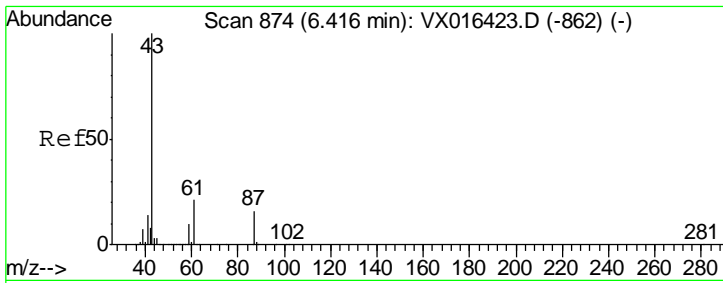
Tgt Ion	Resp	Lower	Upper
75	10110		
110	9.4	18.7	56.1#
77	0.0	24.9	37.3#



#38  
 Carbon Tetrachloride  
 Concen: 5.936 ug/l  
 RT: 5.63 min Scan# 745  
 Delta R.T. -0.13 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
117	11687		
119	7.6	82.2	123.4#
121	0.0	24.1	36.1#

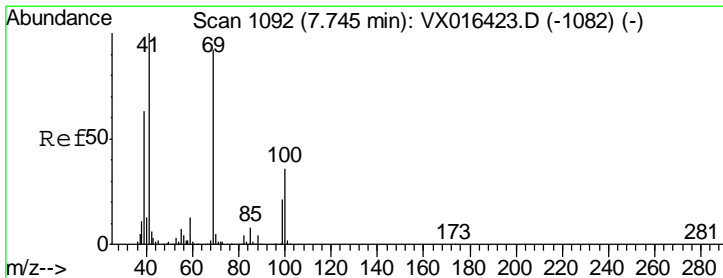
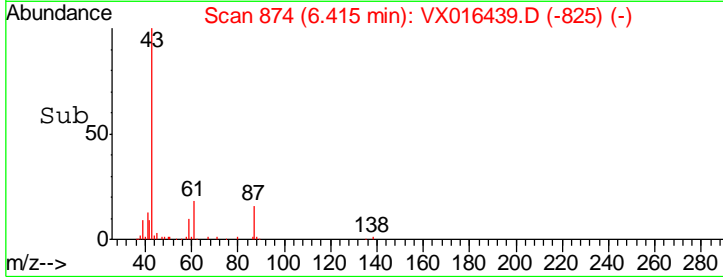
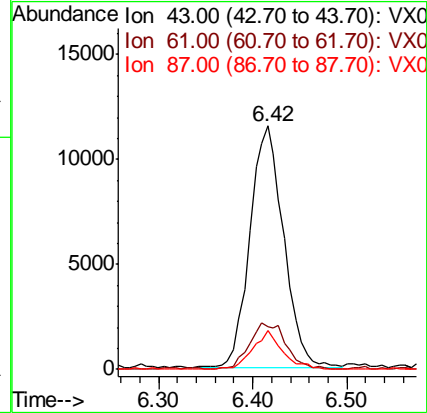
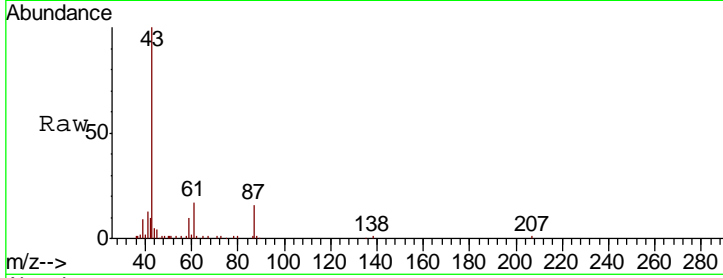




#43  
 Isopropyl Acetate  
 Concen: 8.952 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

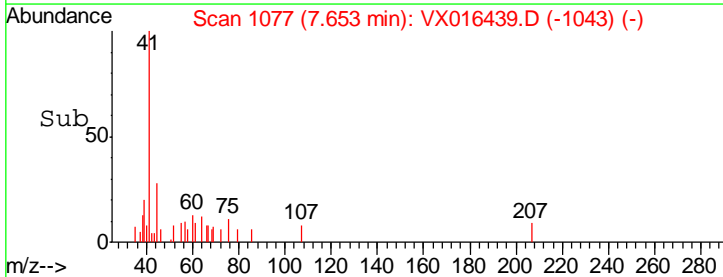
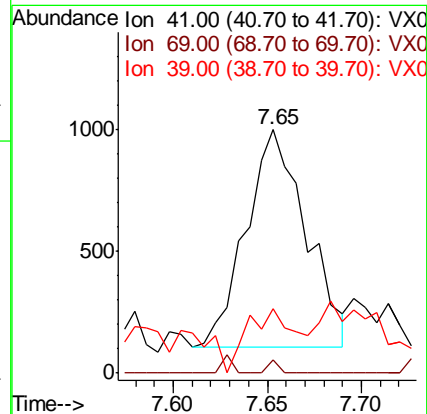
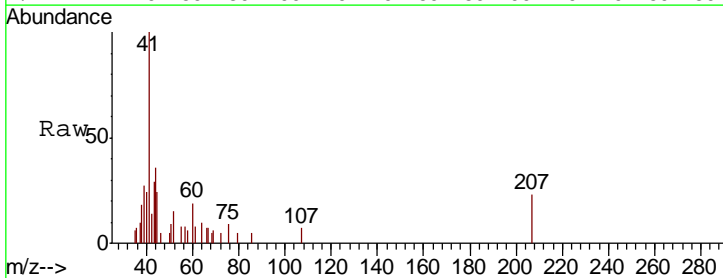
Instrument :  
 MSVOA\_X  
 ClientSampled :

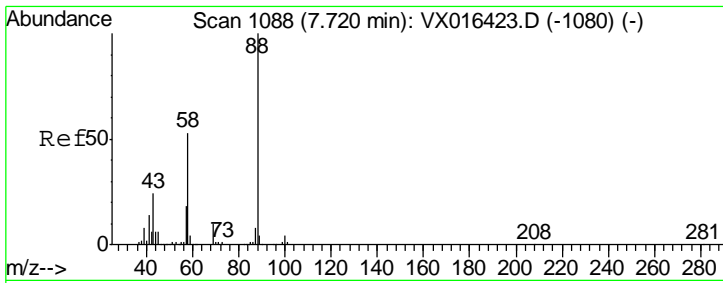
Tgt Ion	Resp	Lower	Upper
43	100		
61	20.8	17.2	25.8
87	14.2	12.3	18.5



#48  
 Methyl methacrylate  
 Concen: 1.345 ug/l  
 RT: 7.65 min Scan# 1077  
 Delta R.T. -0.09 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
41	100		
69	1.0	71.8	107.8#
39	0.0	48.6	73.0#

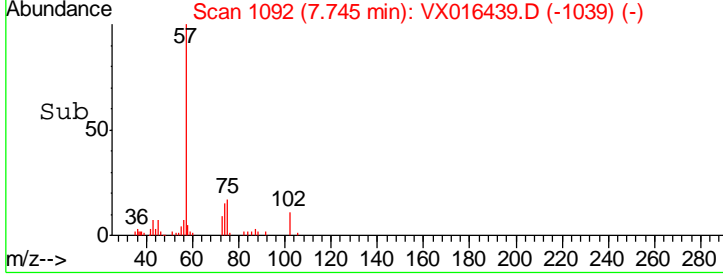
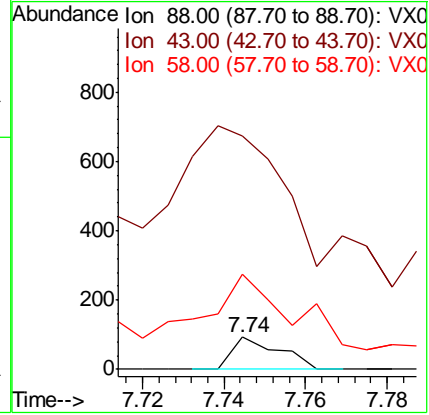
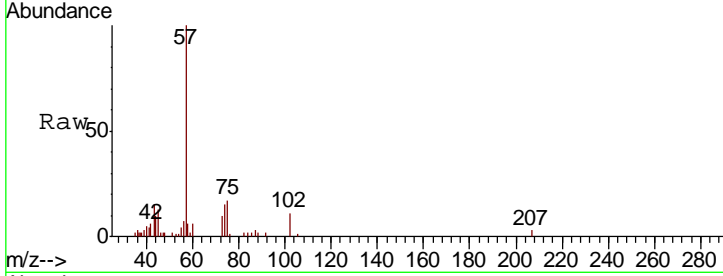




#49  
 1,4-Dioxane  
 Concen: 1.960 ug/l  
 RT: 7.74 min Scan# 1092  
 Delta R.T. 0.02 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

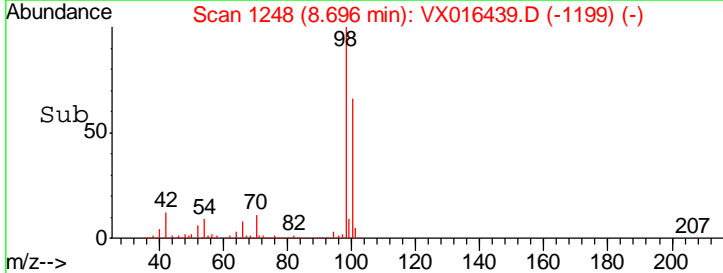
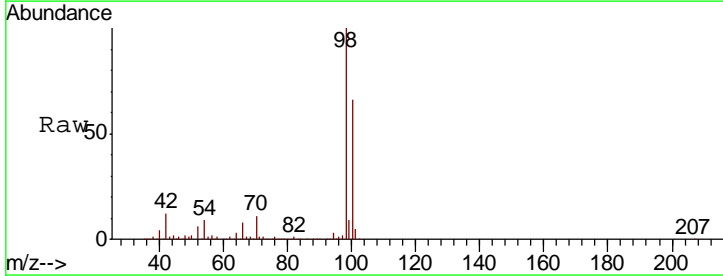
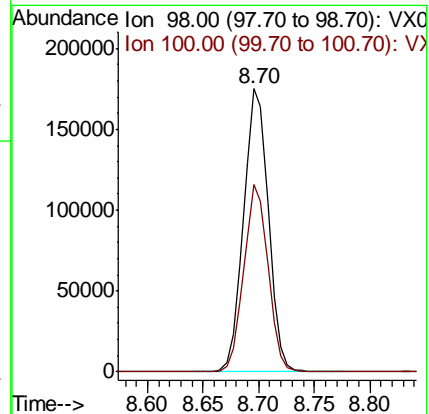
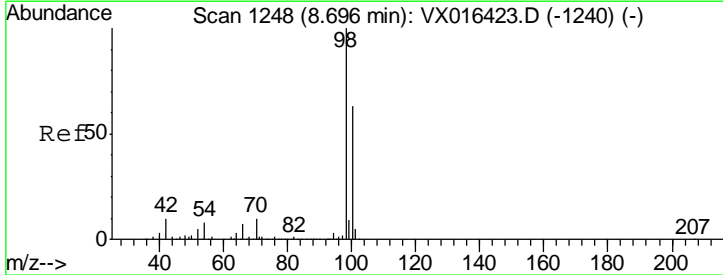
Instrument :  
 MSVOA\_X  
 ClientSampled :

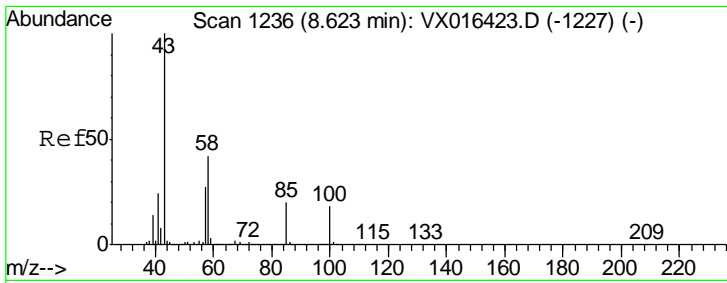
Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	23.0	34.6#
58	741.9	51.7	77.5#



#50  
 Toluene-d8  
 Concen: 56.071 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.7	52.6	78.8

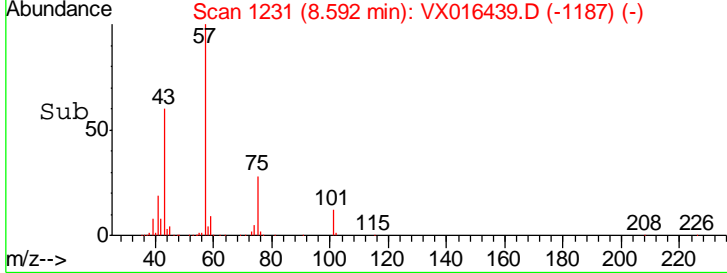
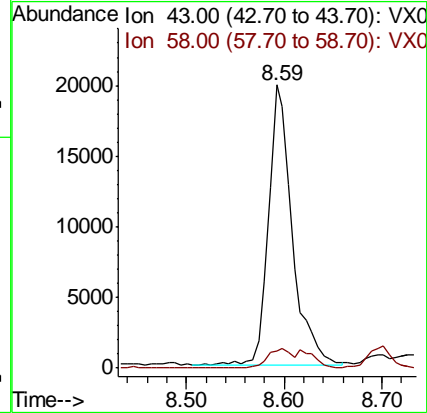
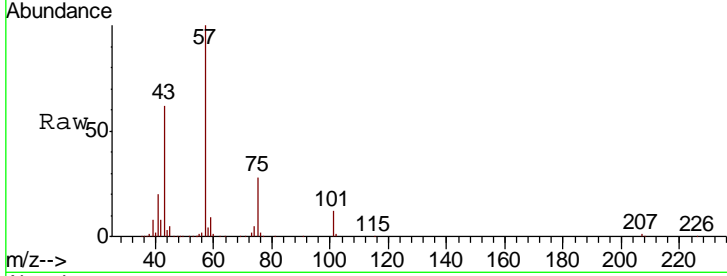




#51  
 4-Methyl-2-Pentanone  
 Concen: 16.298 ug/l  
 RT: 8.59 min Scan# 1231  
 Delta R.T. -0.03 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

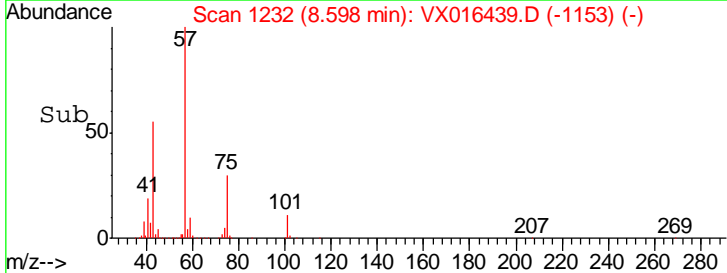
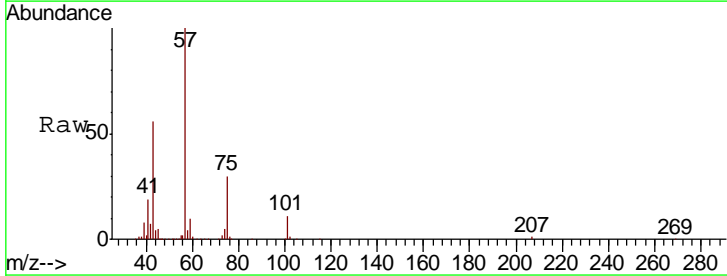
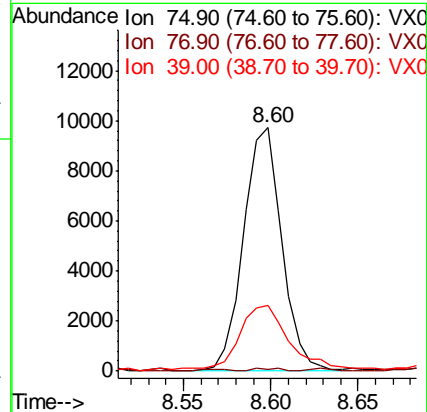
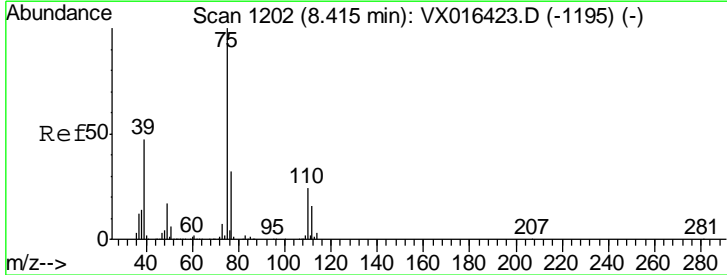
Instrument :  
 MSVOA\_X  
 ClientSampled :

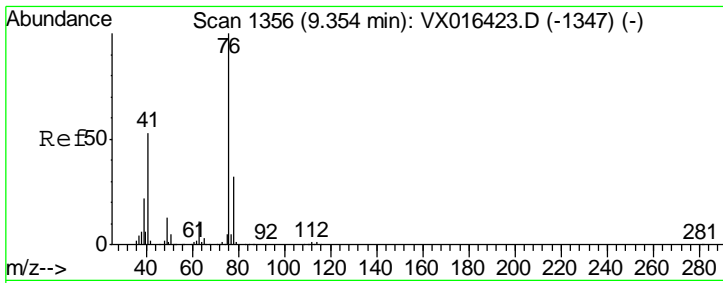
Tgt Ion	Resp	Lower	Upper
43	100		
58	7.2	33.8	50.6#



#54  
 cis-1,3-Dichloropropene  
 Concen: 6.364 ug/l  
 RT: 8.60 min Scan# 1232  
 Delta R.T. 0.18 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.9	25.4	38.0#
39	25.9	37.7	56.5#

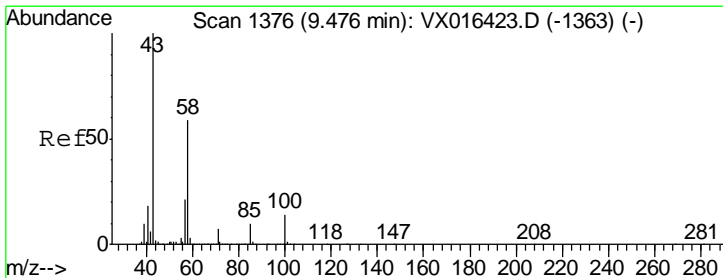
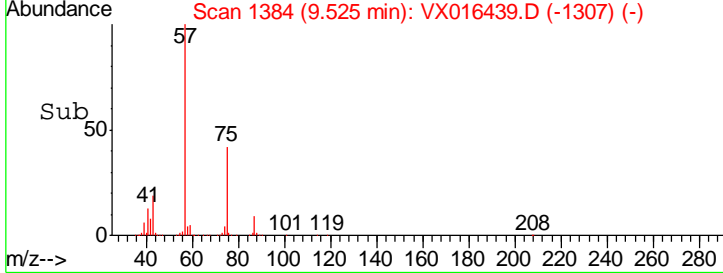
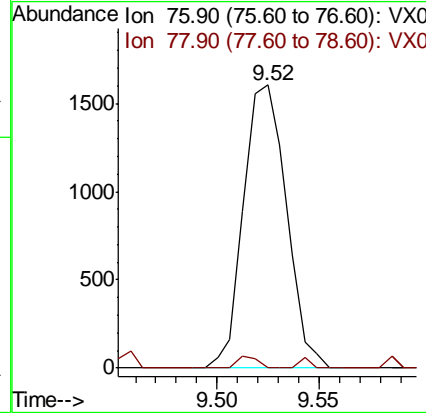
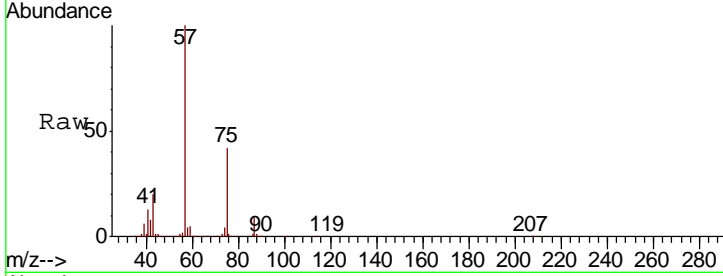




#57  
 1,3-Dichloropropane  
 Concen: 0.996 ug/l  
 RT: 9.52 min Scan# 1384  
 Delta R.T. 0.17 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

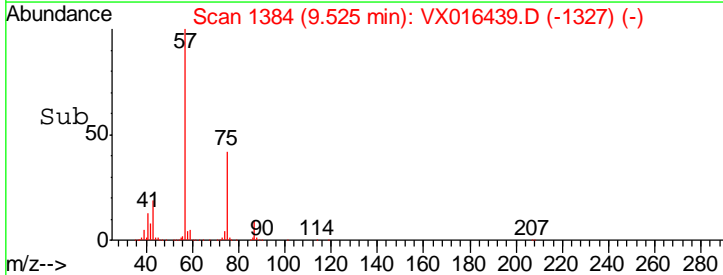
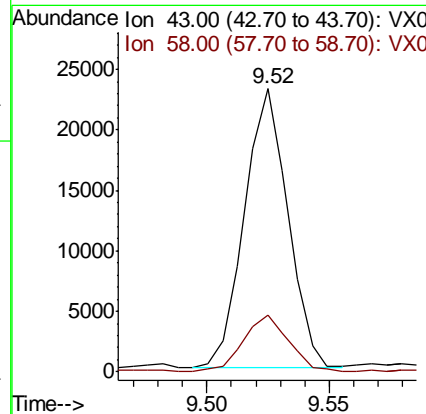
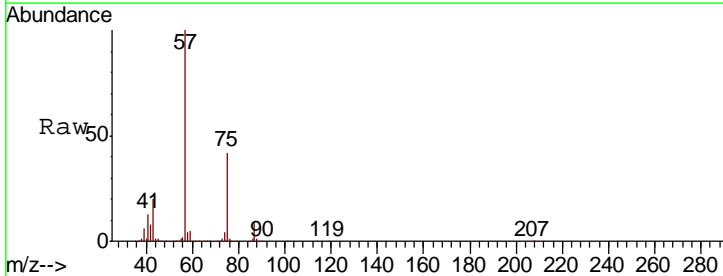
Instrument :  
 MSVOA\_X  
 ClientSampled :

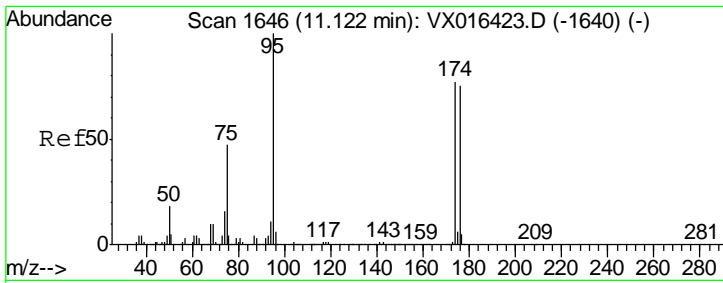
Tgt Ion	Resp	Lower	Upper
76	100		
78	1.9	26.1	39.1#



#59  
 2-Hexanone  
 Concen: 18.177 ug/l  
 RT: 9.52 min Scan# 1384  
 Delta R.T. 0.05 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
43	100		
58	20.6	29.1	87.3#

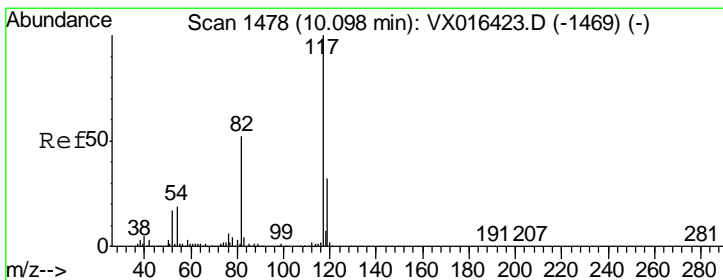
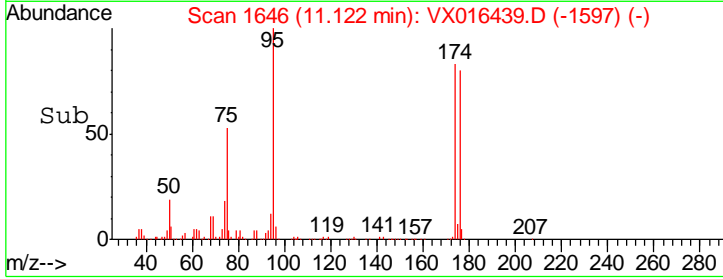
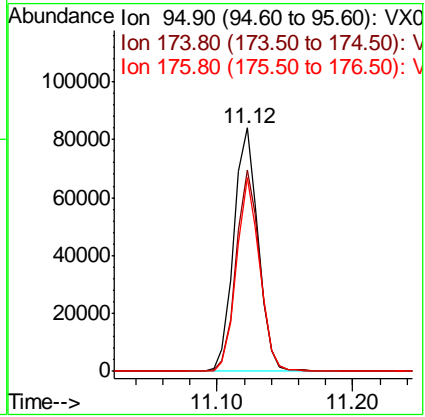
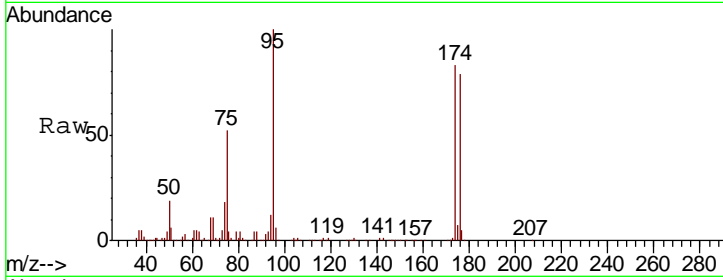




#62  
 4-Bromofluorobenzene  
 Concen: 58.292 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

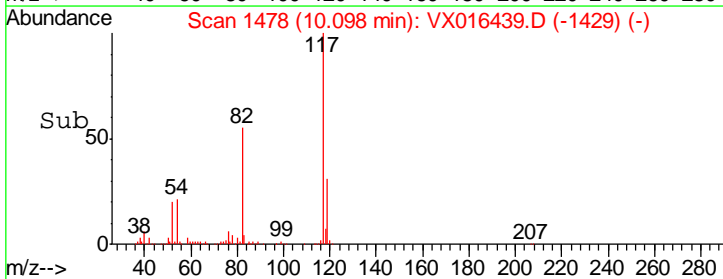
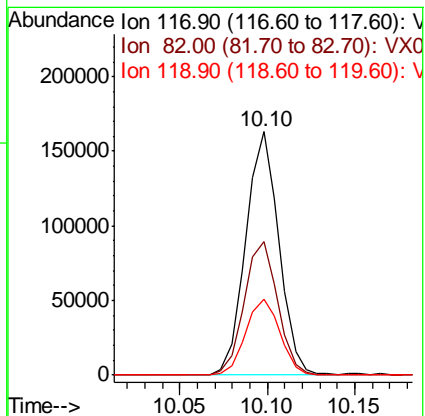
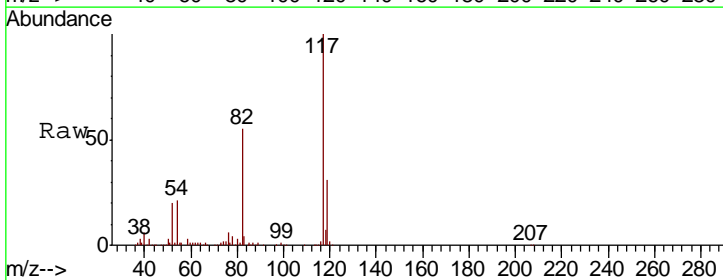
Instrument :  
 MSVOA\_X  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
95	104430		
174	80.3	0.0	162.6
176	75.9	0.0	158.2

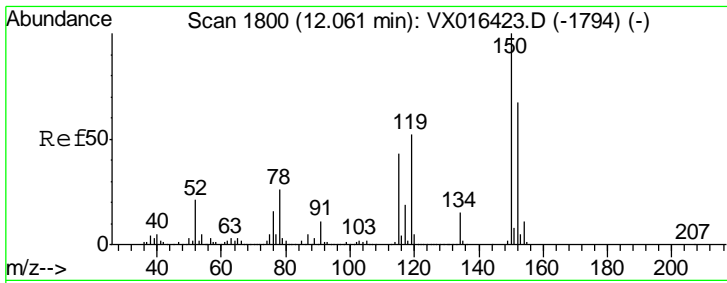


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.10 min Scan# 1478  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
117	214576		
82	54.6	41.8	62.6
119	31.0	25.7	38.5



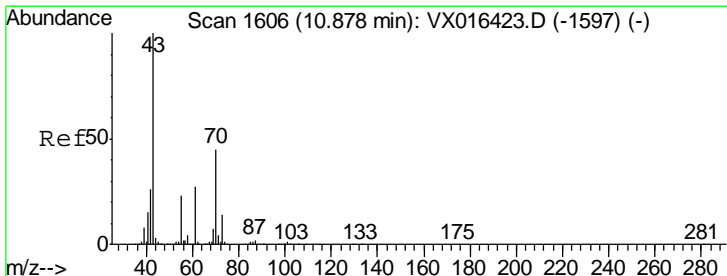
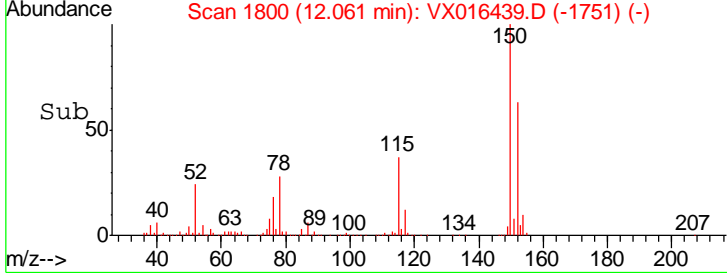
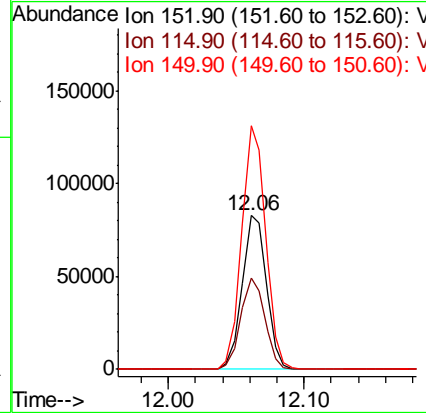
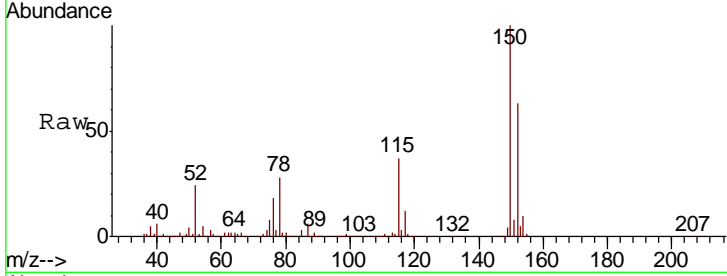




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.06 min Scan# 1800  
 Delta R.T. -0.00 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

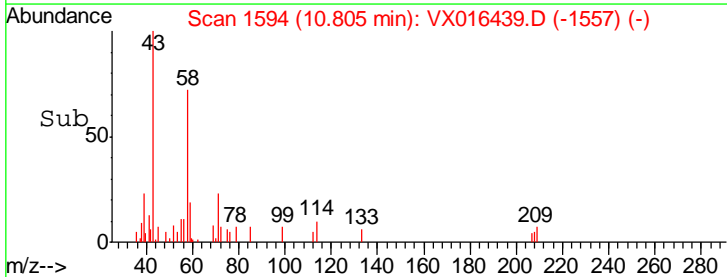
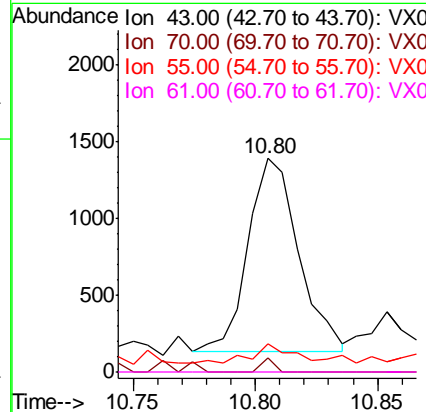
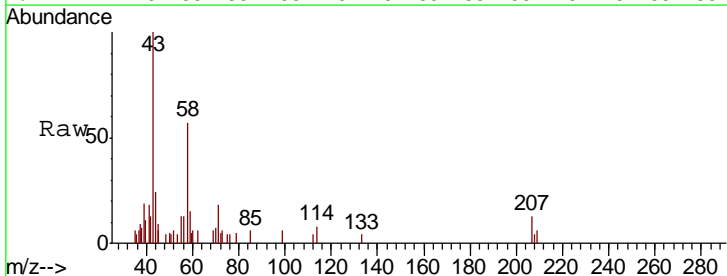
Instrument : MSVOA\_X  
 ClientSampled :

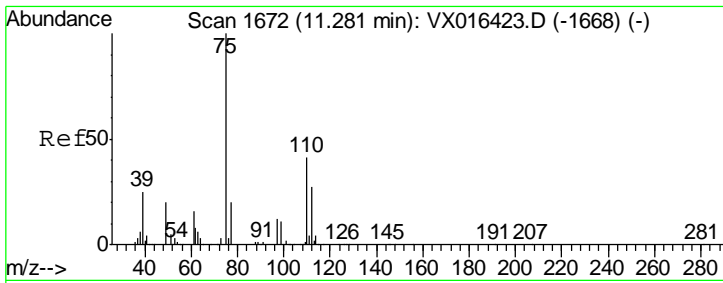
Tgt Ion	Resp	Lower	Upper
152	100		
115	58.8	40.4	121.2
150	156.3	0.0	345.8



#74  
 N-amyl acetate  
 Concen: 0.615 ug/l  
 RT: 10.80 min Scan# 1594  
 Delta R.T. -0.07 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
43	100		
70	1.8	38.0	57.0#
55	9.5	20.0	30.0#
61	0.0	21.4	32.2#

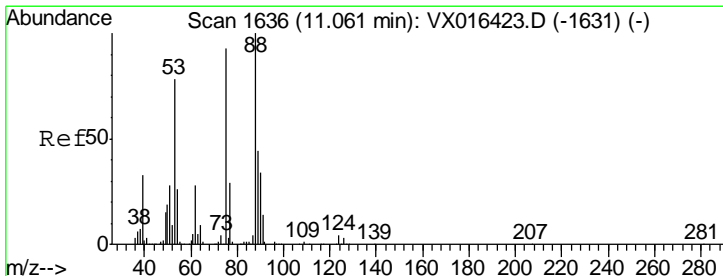
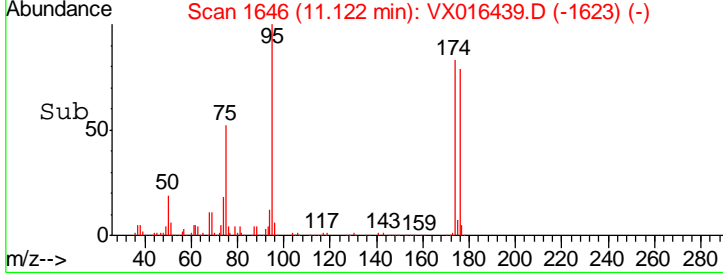
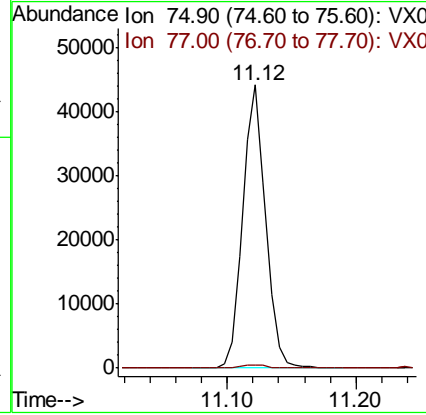
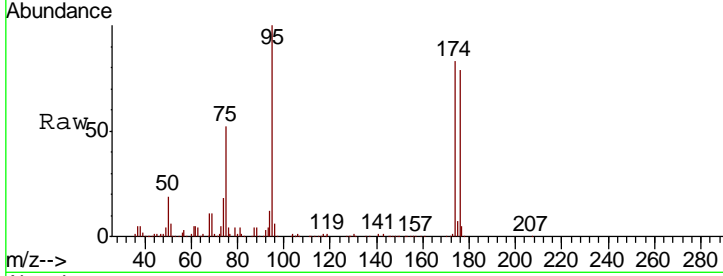




#76  
 1,2,3-Trichloropropane  
 Concen: 25.348 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. -0.16 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Instrument : MSVOA\_X  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.4	21.4	64.3#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 60.956 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. 0.06 min  
 Lab File: VX016439.D  
 Acq: 26 May 2020 20:43

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.4	69.4	104.2#
89	0.0	37.0	55.6#

