

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002707.D
 Acq On : 19 Jun 2018 04:33
 Operator : JC/MD
 Sample : J3537-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:13:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	315455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	166563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	165807	49.20	ug/l	0.00
Spiked Amount				50.000		
Recovery						98.40%
35) Dibromofluoromethane	5.51	113	130426	51.80	ug/l	0.00
Spiked Amount				50.000		
Recovery						103.60%
50) Toluene-d8	8.72	98	491953	51.46	ug/l	0.00
Spiked Amount				50.000		
Recovery						102.92%
62) 4-Bromofluorobenzene	11.14	95	171778	47.42	ug/l	0.00
Spiked Amount				50.000		
Recovery						94.84%

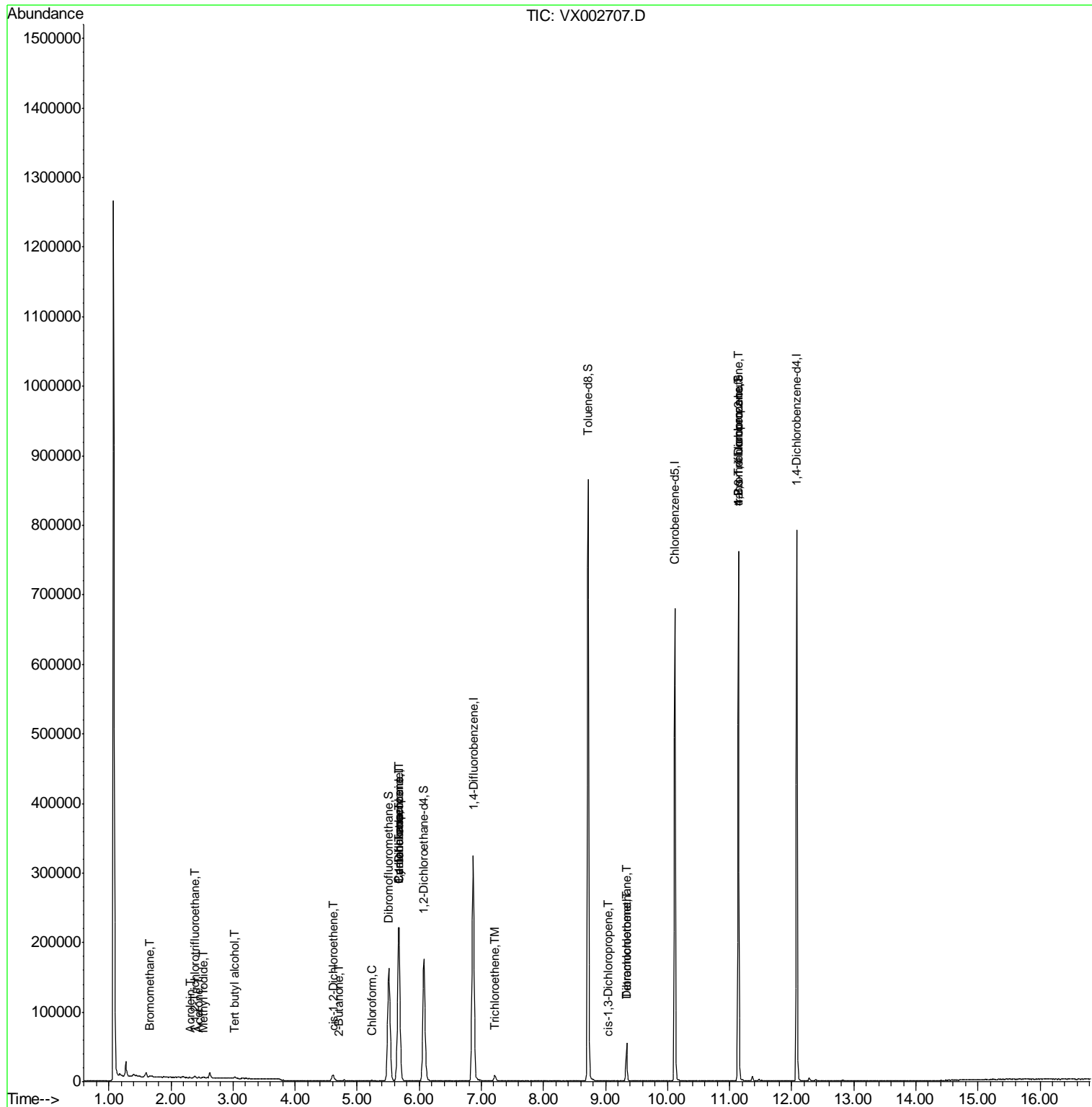
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	985	0.56	ug/l #	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	882	0.33	ug/l	97
10) Methyl Iodide	2.52	142	817	5.39	ug/l #	92
11) Tert butyl alcohol	3.03	59	757	1.09	ug/l #	81
13) Acrolein	2.30	56	149	7.31	ug/l #	1
16) Acetone	2.45	43	915	0.62	ug/l #	70
25) 2-Butanone	4.70	43	426	0.22	ug/l #	52
27) cis-1,2-Dichloroethene	4.60	96	4160	1.52	ug/l	56
30) Chloroform	5.23	83	1066	0.23	ug/l #	82
31) Cyclohexane	5.67	56	4842	1.22	ug/l #	22
36) 1,1-Dichloropropene	5.67	75	14998	4.48	ug/l #	52
38) Carbon Tetrachloride	5.67	117	20124	6.03	ug/l #	15
44) Trichloroethene	7.21	130	3067	1.06	ug/l	90
54) cis-1,3-Dichloropropene	9.04	75	26	3.22	ug/l #	60
60) Dibromochloromethane	9.34	129	8847	6.57	ug/l #	11
64) Tetrachloroethene	9.34	164	10328	3.18	ug/l	97
76) 1,2,3-Trichloropropene	11.14	75	91430	29.09	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	91430	89.48	ug/l #	6

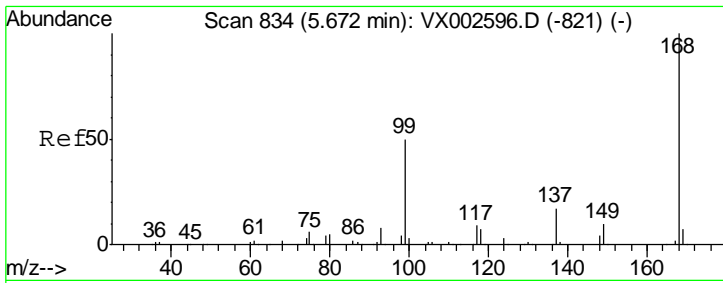
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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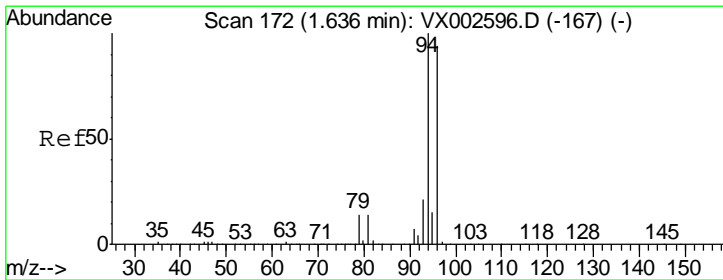
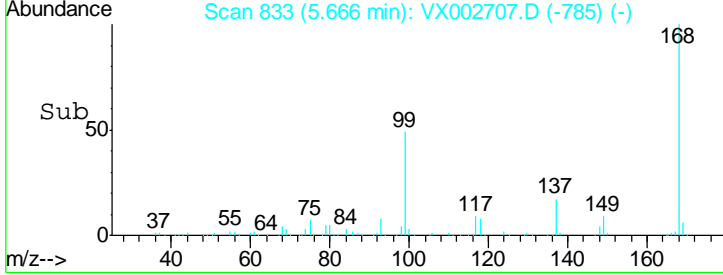
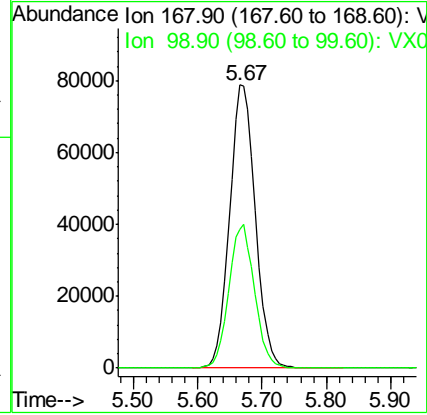
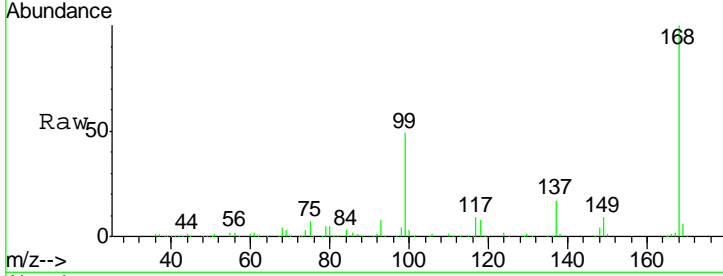




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

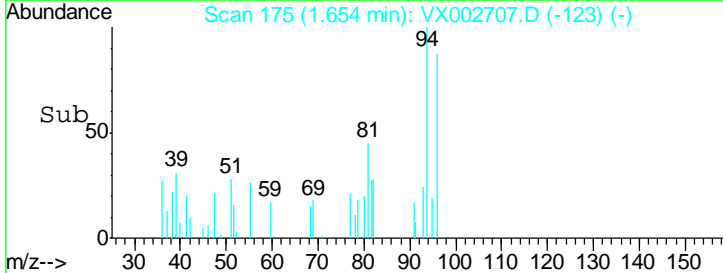
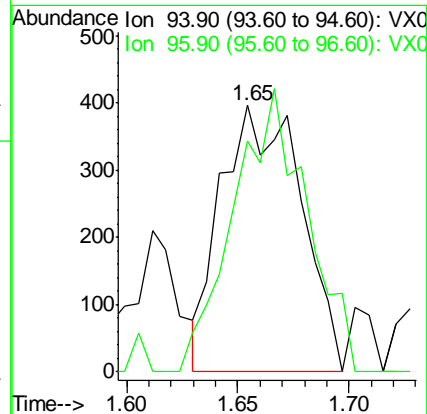
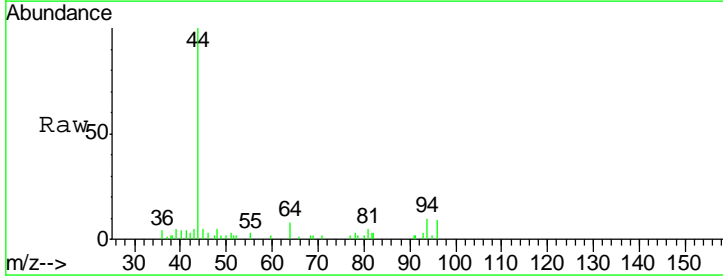
Instrument :
 MSVOA_X
 ClientSampled :

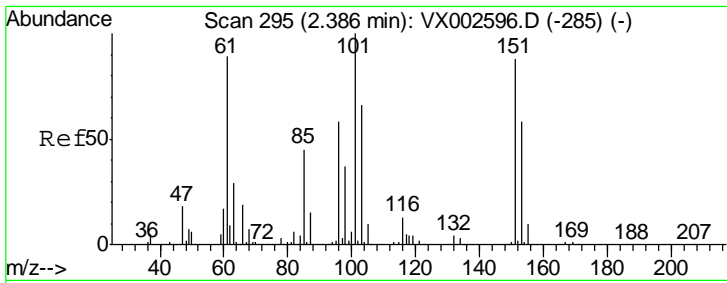
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.9	39.3	58.9



#5
 Bromomethane
 Concen: 0.56 ug/l
 RT: 1.65 min Scan# 175
 Delta R.T. 0.02 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
94	100		
96	72.2	74.9	112.3#

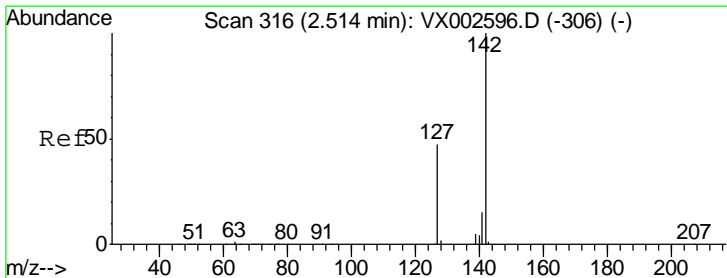
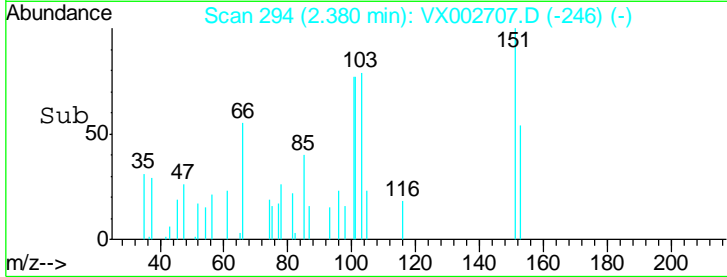
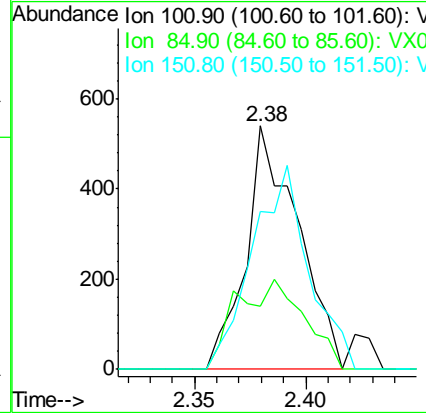
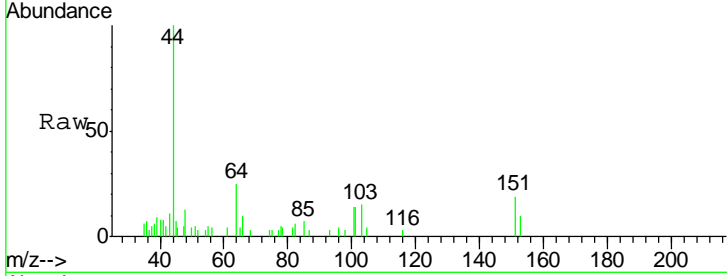




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.33 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

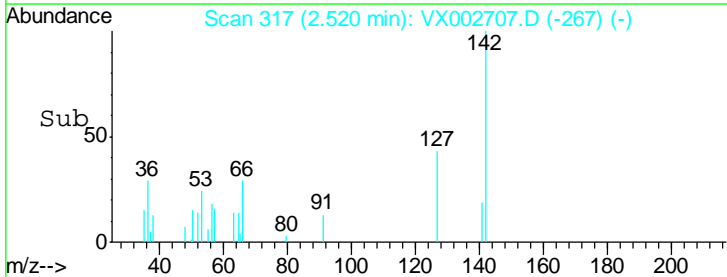
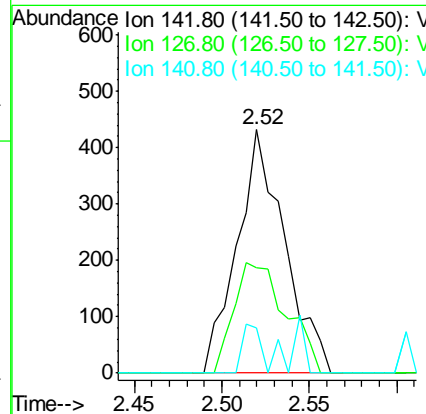
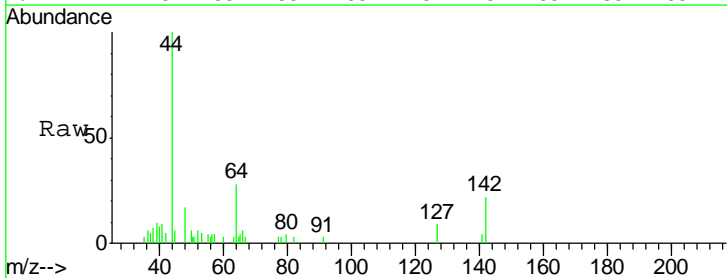
Instrument :
 MSVOA_X
 ClientSampled :

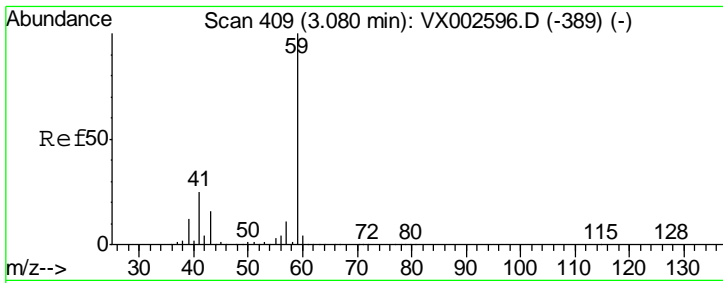
Tgt Ion	Resp	Lower	Upper
101	882		
101	100		
85	47.5	36.0	54.0
151	90.5	70.9	106.3



#10
 Methyl Iodide
 Concen: 5.39 ug/l
 RT: 2.52 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
142	817		
142	100		
127	49.8	36.6	55.0
141	7.5	11.3	16.9#

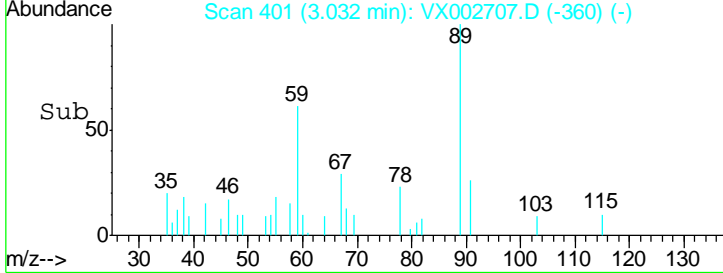
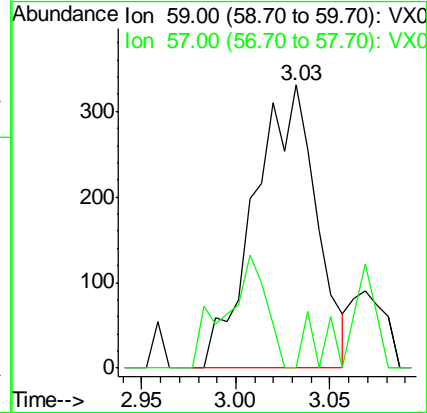
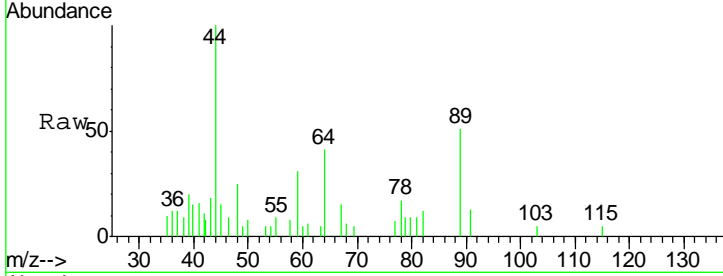




#11
 Tert butyl alcohol
 Concen: 1.09 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.05 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

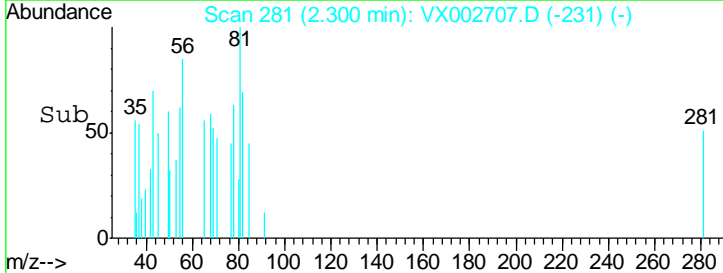
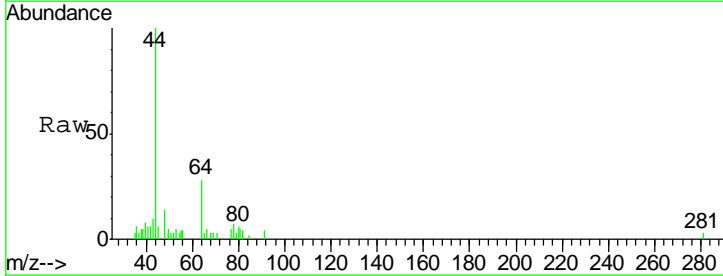
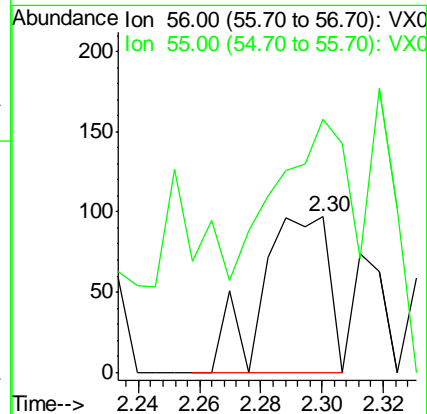
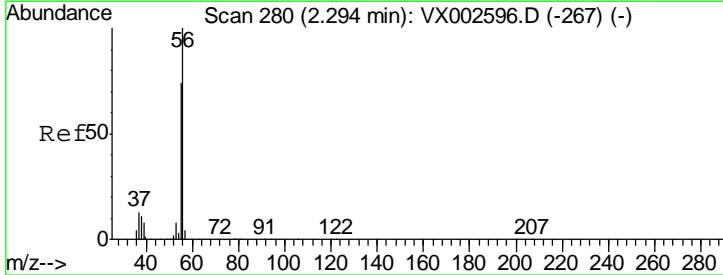
Instrument : MSVOA_X
 ClientSampled :

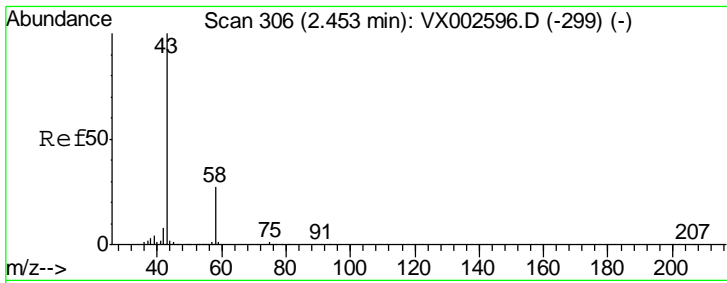
Tgt Ion: 59 Resp: 757
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.2#



#13
 Acrolein
 Concen: 7.31 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 153.0 57.0 85.4#

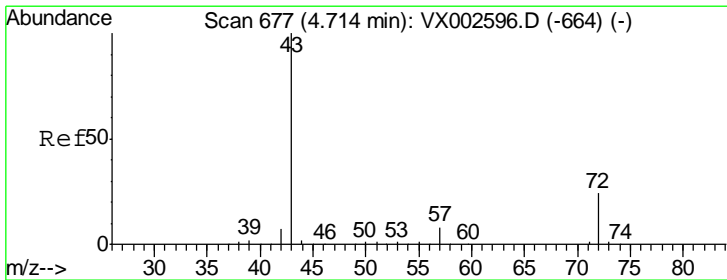
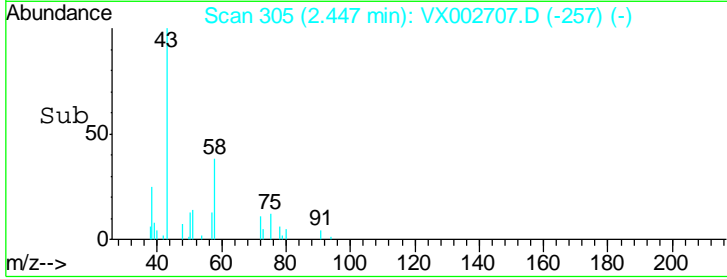
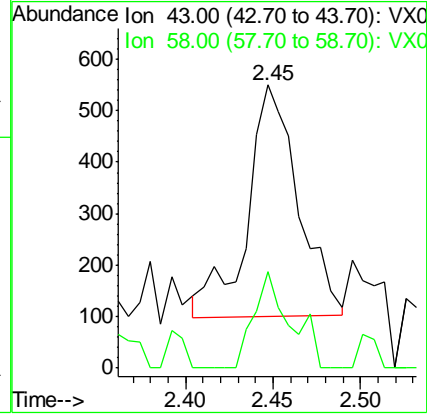
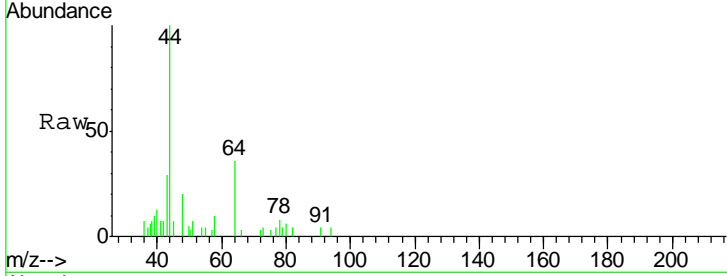




#16
 Acetone
 Concen: 0.62 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

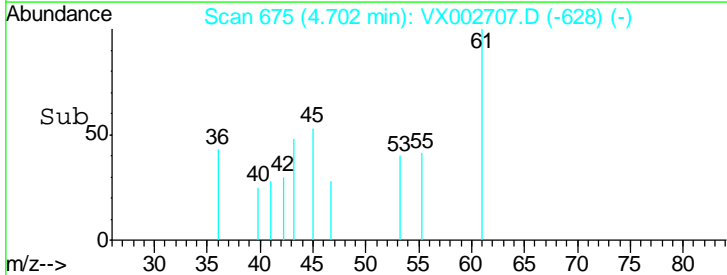
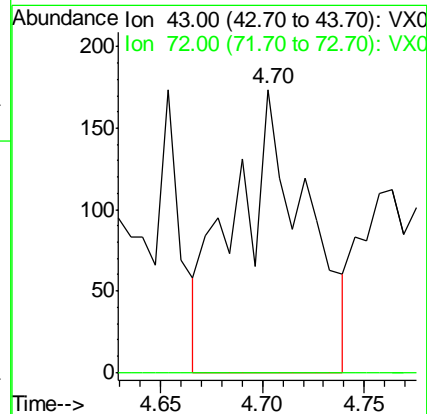
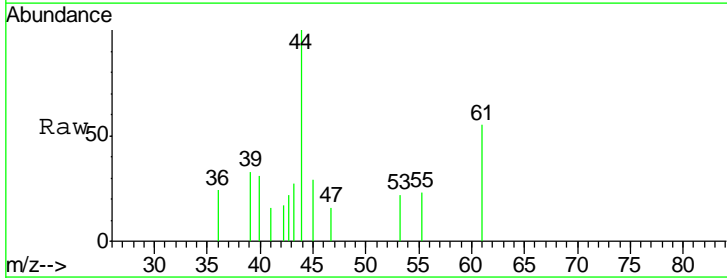
Instrument :
 MSVOA_X
 ClientSampled :

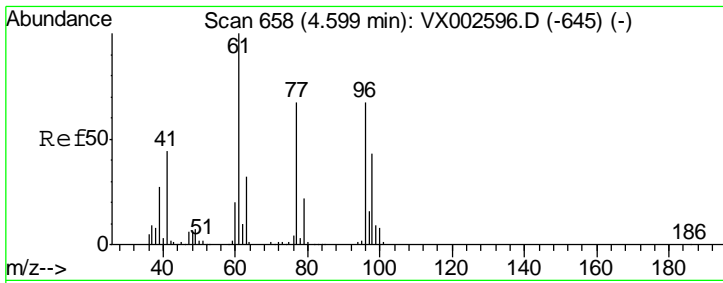
Tgt Ion	Resp	Lower	Upper
43	100		
58	43.2	22.1	33.1#



#25
 2-Butanone
 Concen: 0.22 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	18.5	27.7#

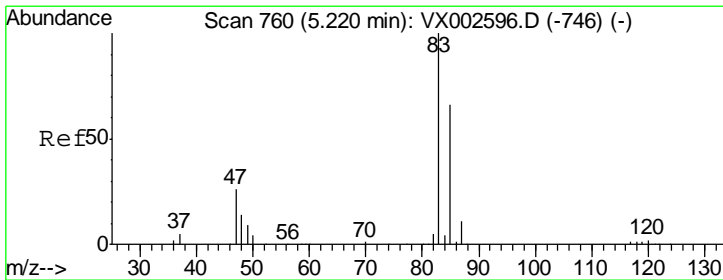
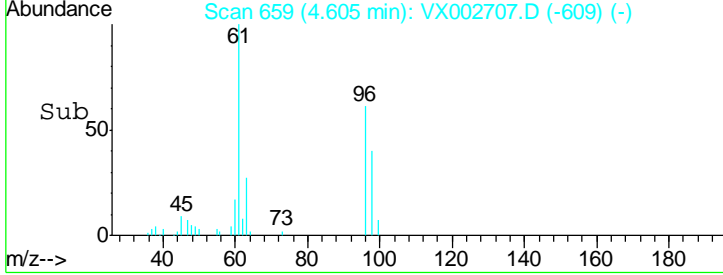
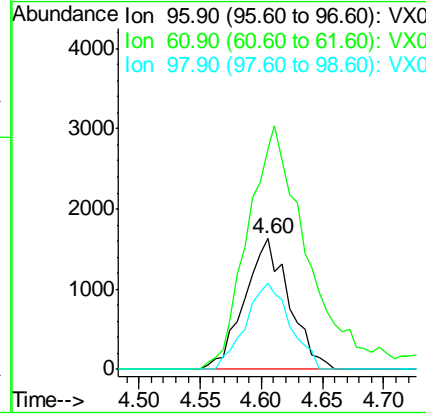
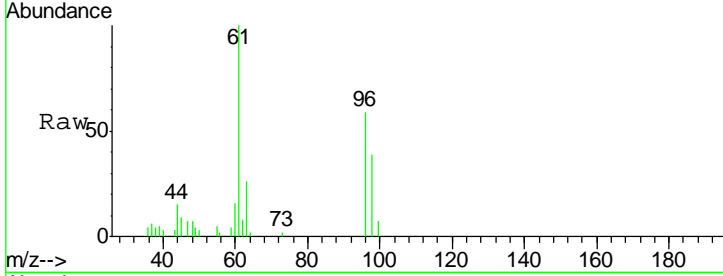




#27
 cis-1,2-Dichloroethene
 Concen: 1.52 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

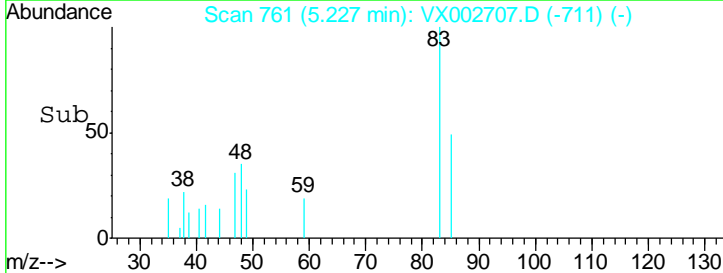
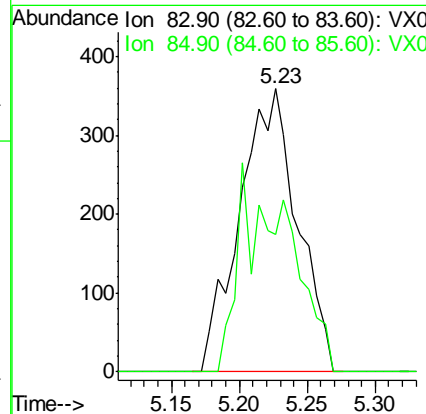
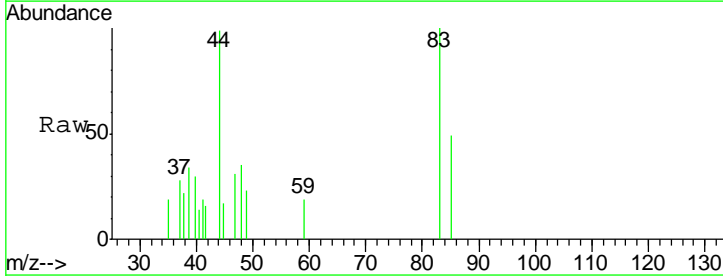
Instrument :
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 ClientSampled :

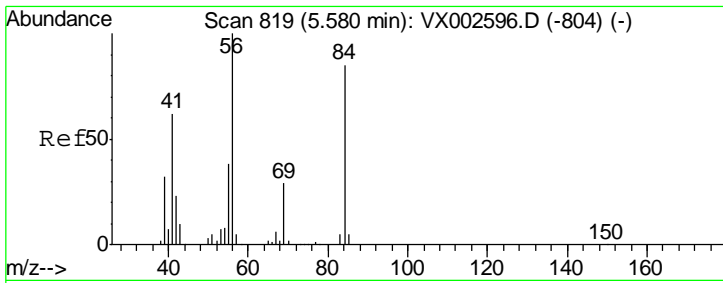
Tgt Ion	Resp	Lower	Upper
96	4160		
Ion Ratio			
96	100		
61	248.1	0.0	330.2
98	65.2	0.0	130.2



#30
 Chloroform
 Concen: 0.23 ug/l
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
83	1066		
Ion Ratio			
83	100		
85	48.7	50.4	75.6#

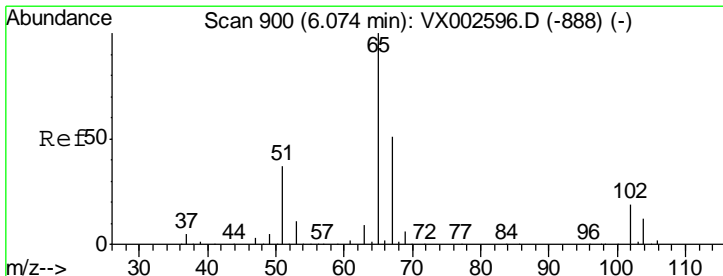
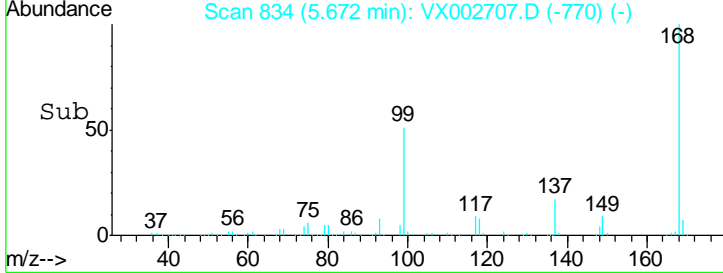
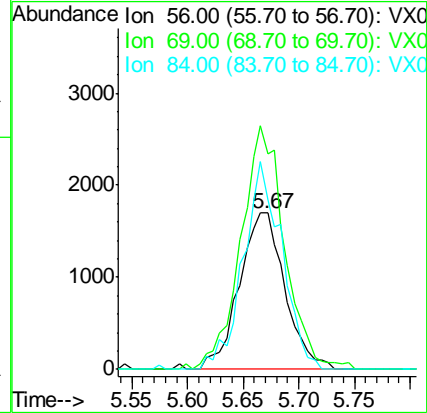
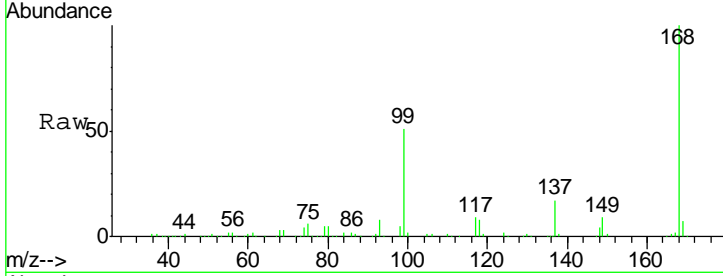




#31
 Cyclohexane
 Concen: 1.22 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.09 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

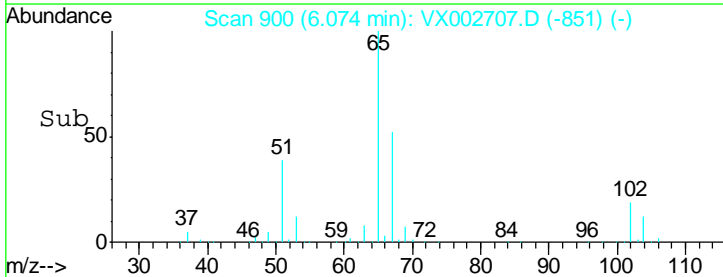
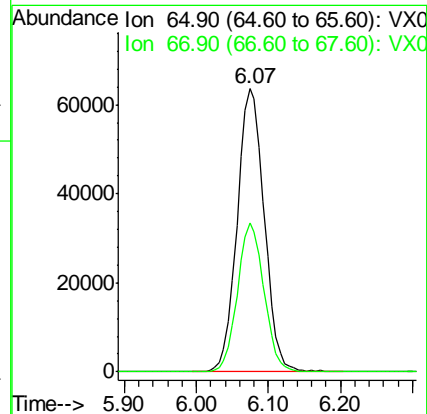
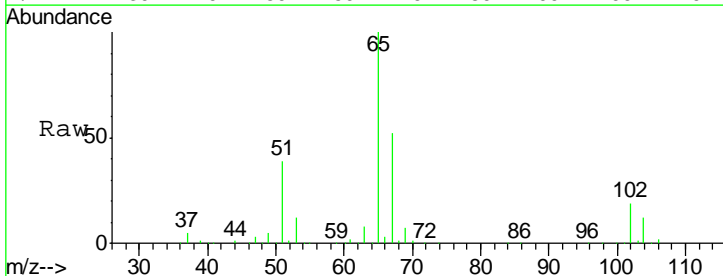
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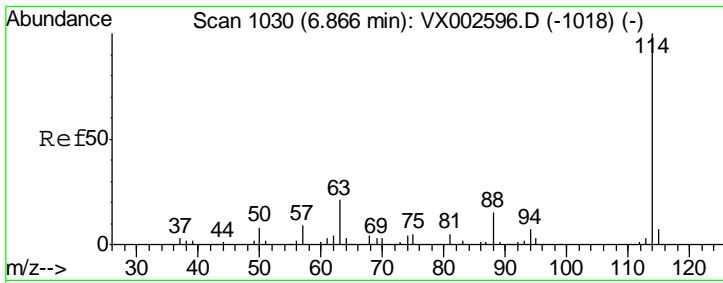
Tgt Ion	Resp	Lower	Upper
56	100		
69	137.5	23.7	35.5#
84	108.5	64.1	96.1#



#33
 1,2-Dichloroethane-d4
 Concen: 49.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.6	0.0	102.6

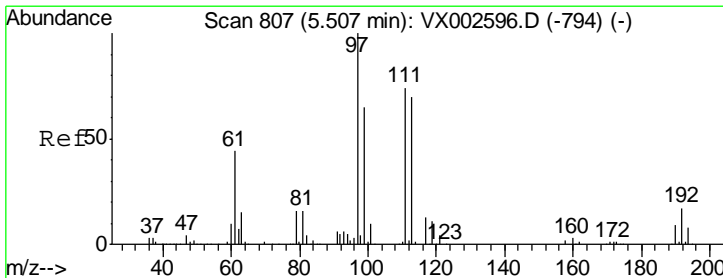
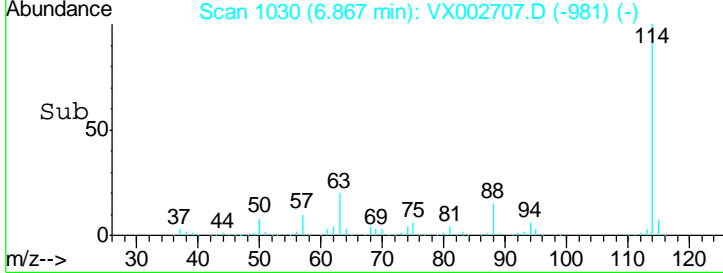
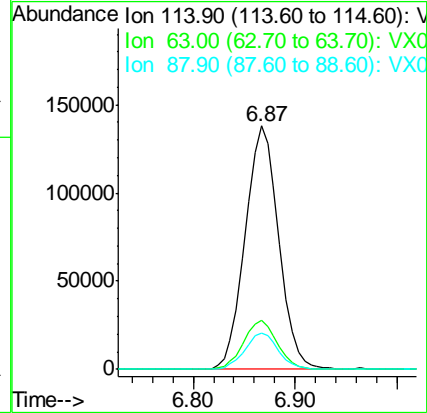
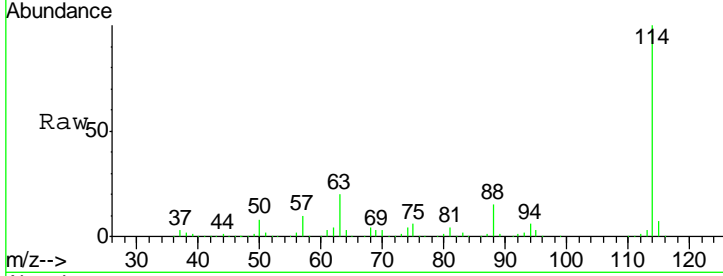




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

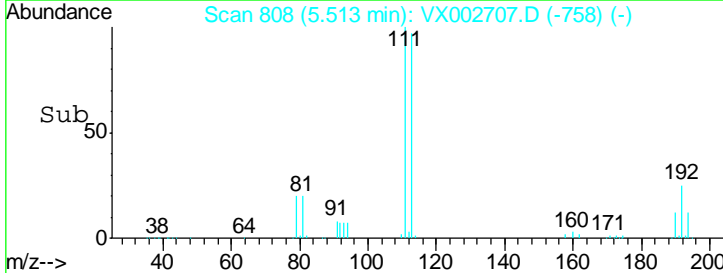
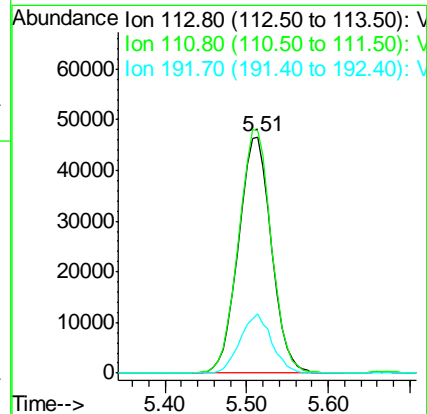
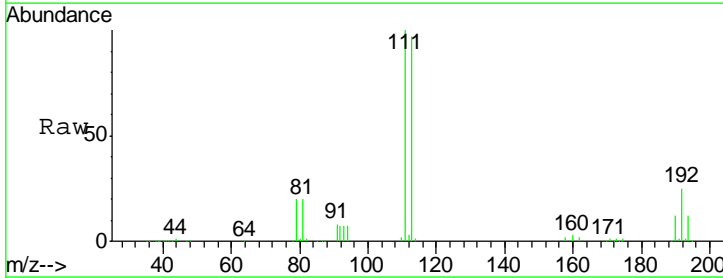
Instrument :
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 ClientSampled :

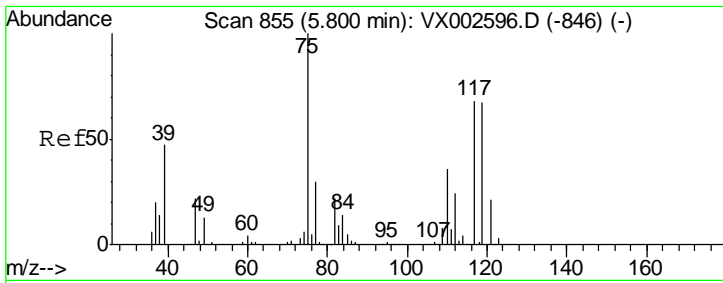
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	41.4
88	14.9	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 51.80 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	24.0	19.1	28.7

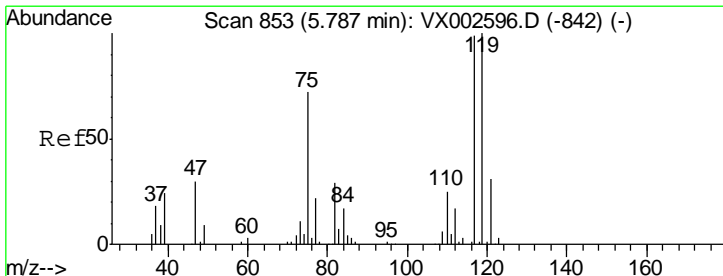
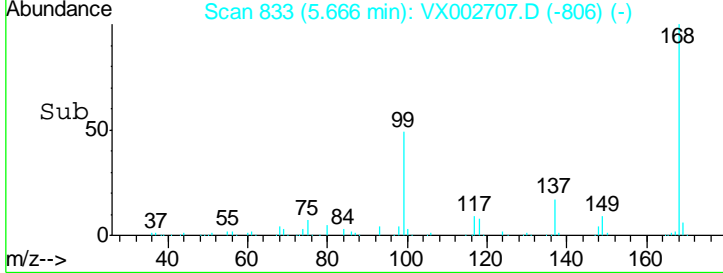
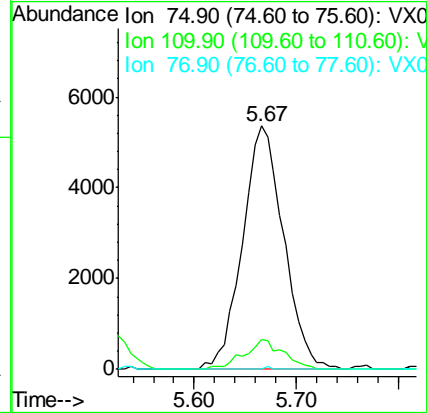
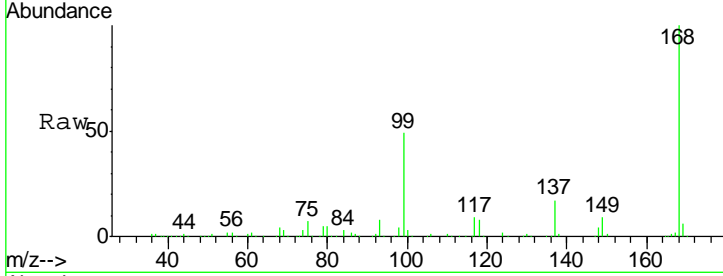




#36
 1,1-Dichloropropene
 Concen: 4.48 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

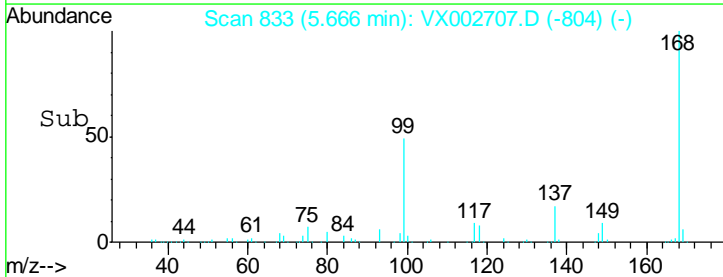
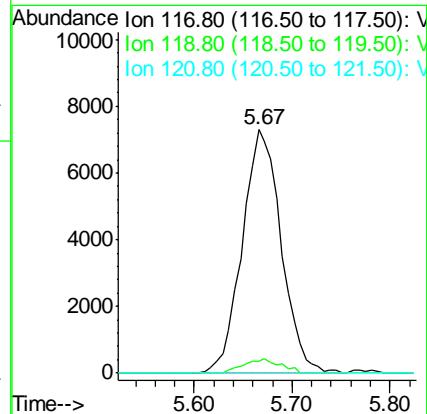
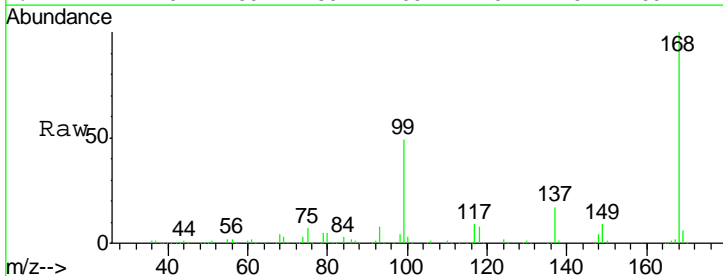
Instrument :
 MSVOA_X
 ClientSampled :

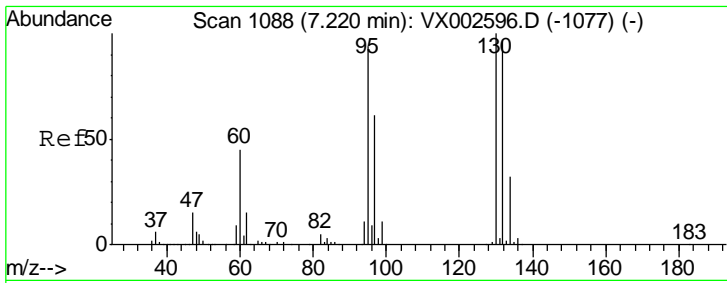
Tgt Ion	Resp	Lower	Upper
75	14998		
110	11.8	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.03 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
117	20124		
119	4.8	77.4	116.0#
121	0.0	24.4	36.6#

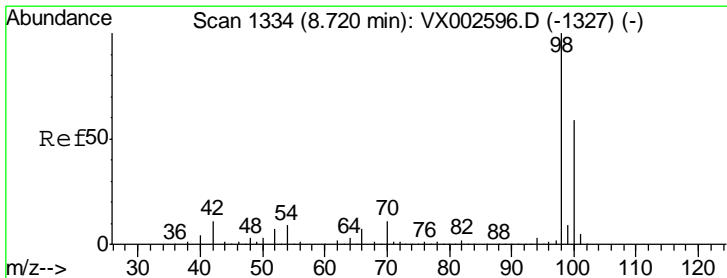
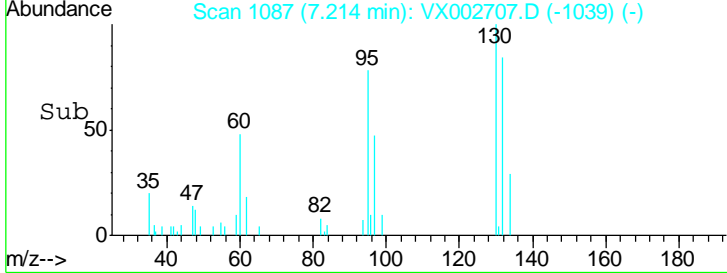
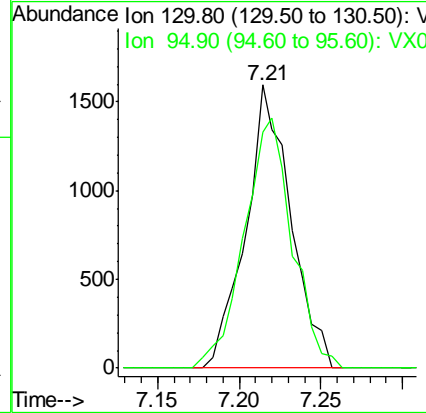
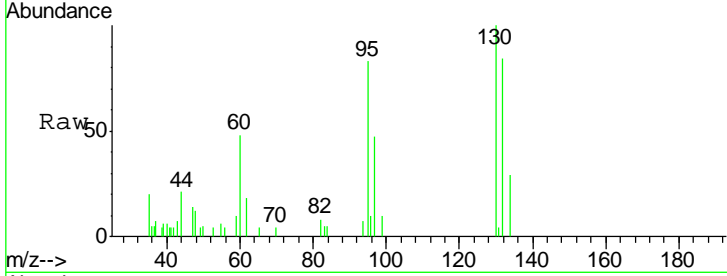




#44
 Trichloroethene
 Concen: 1.06 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

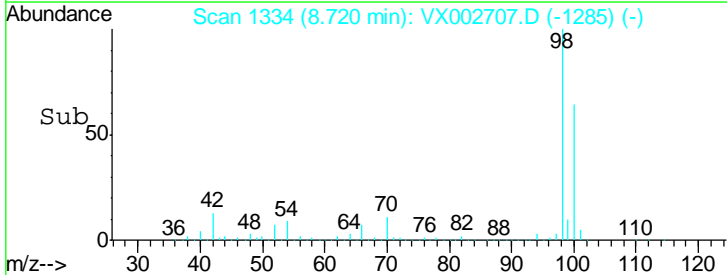
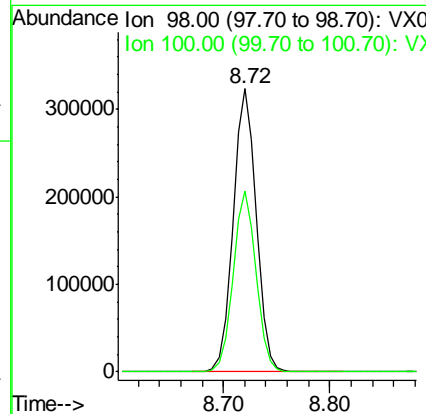
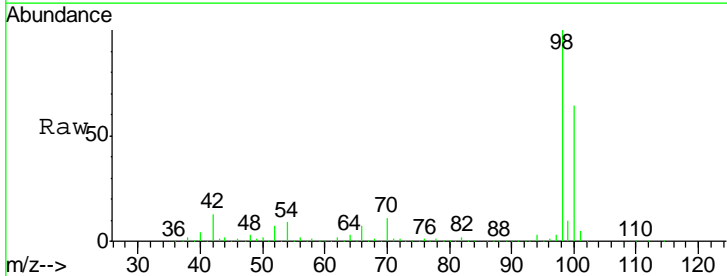
Instrument :
 MSVOA_X
 ClientSampled :

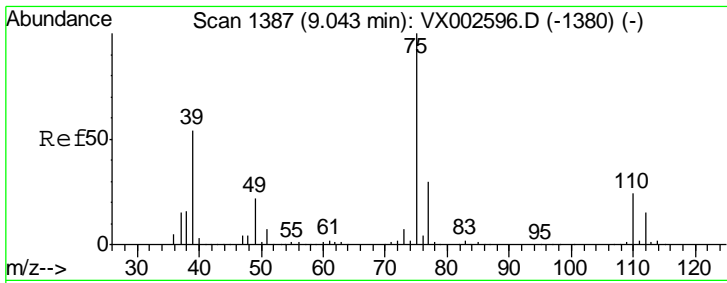
Tgt Ion: 130 Resp: 3067
 Ion Ratio Lower Upper
 130 100
 95 83.3 0.0 185.4



#50
 Toluene-d8
 Concen: 51.46 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion: 98 Resp: 491953
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.9 76.3

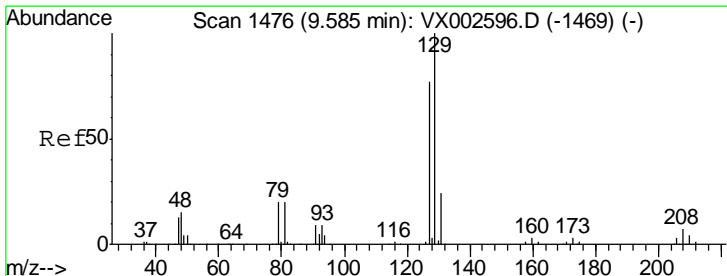
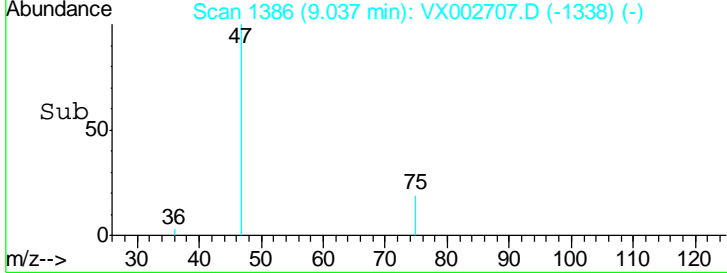
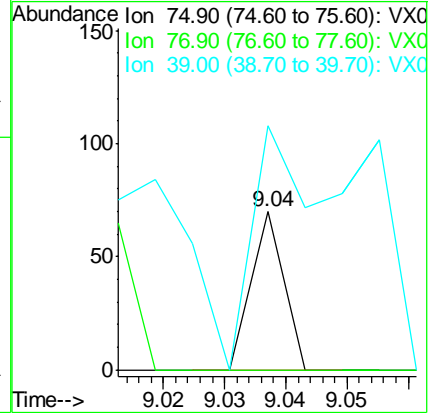
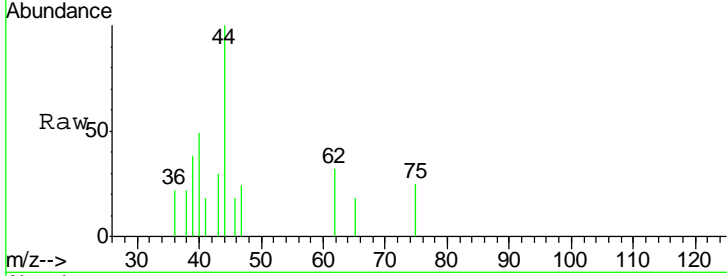




#54
 cis-1,3-Dichloropropene
 Concen: 3.22 ug/l
 RT: 9.04 min Scan# 1386
 Delta R.T. -0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

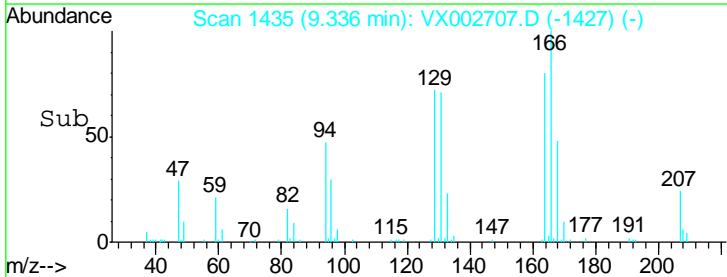
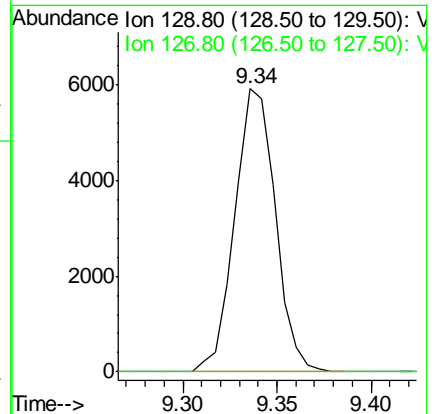
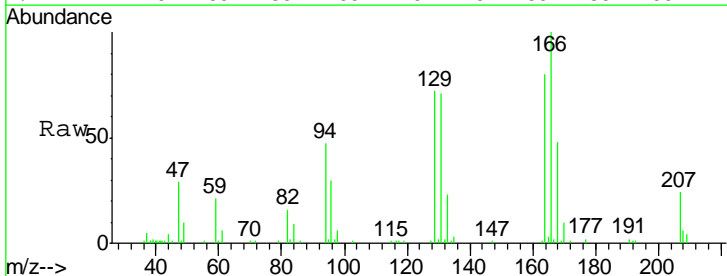
Instrument :
 MSVOA_X
 ClientSampled :

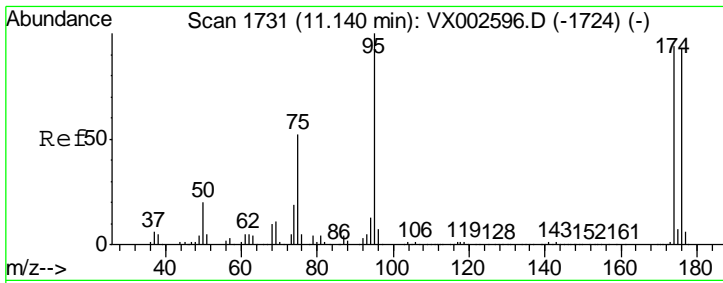
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	24.8	37.2#
39	74.3	42.4	63.6#



#60
 Dibromochloromethane
 Concen: 6.57 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
129	100		
127	0.0	38.5	115.3#

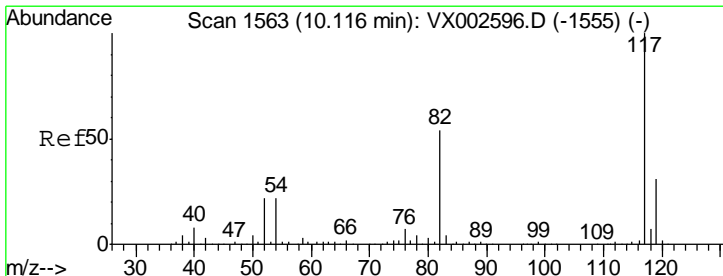
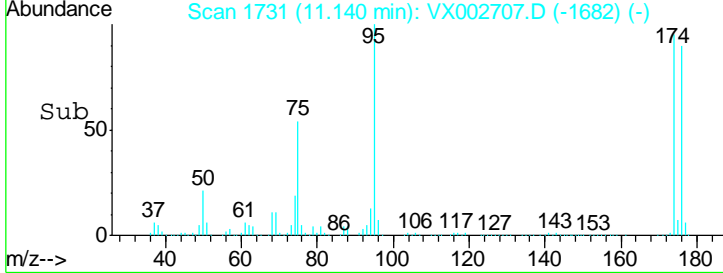
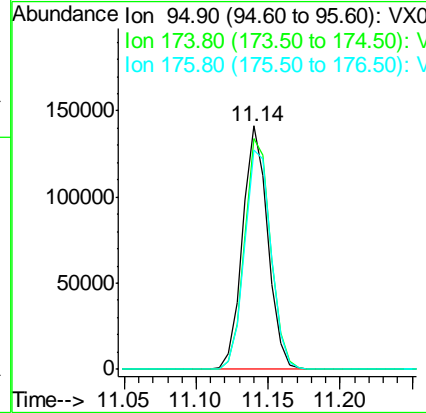
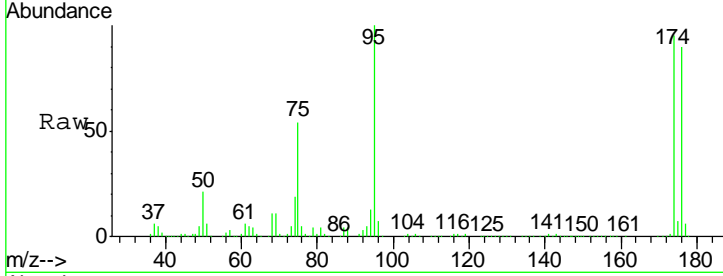




#62
 4-Bromofluorobenzene
 Concen: 47.42 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

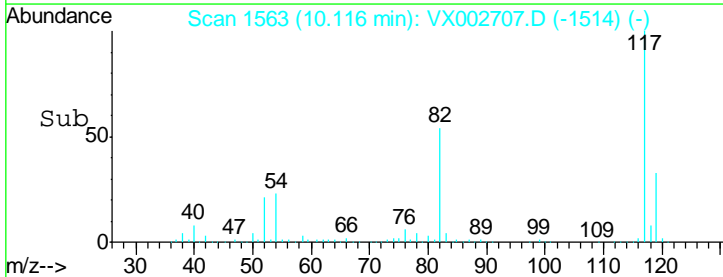
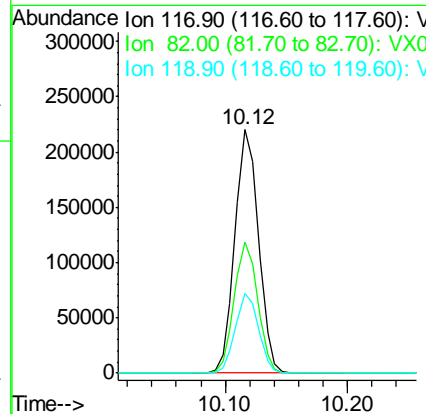
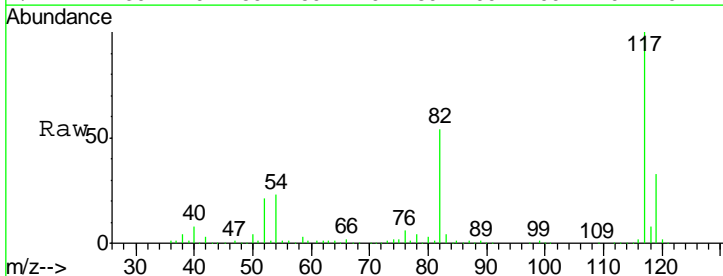
Instrument : MSVOA_X
 ClientSampled :

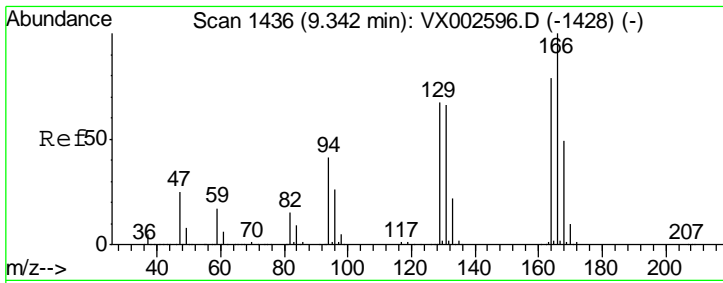
Tgt Ion	Resp	Lower	Upper
95	171778		
174	98.0	0.0	187.4
176	94.8	0.0	181.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
117	292731		
82	54.0	45.0	67.4
119	32.7	25.8	38.6

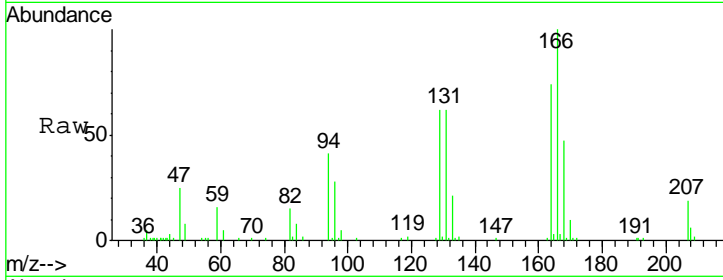




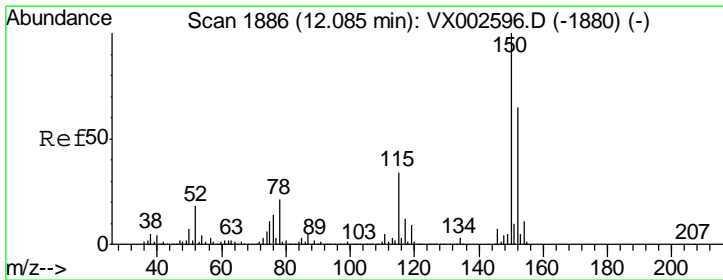
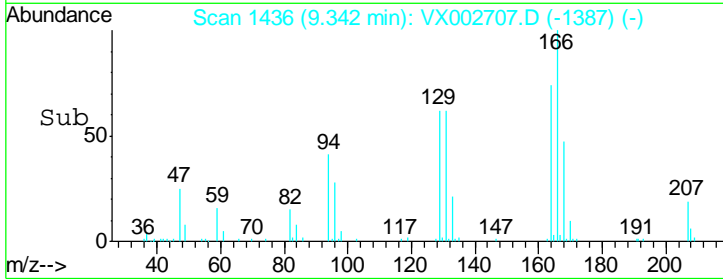
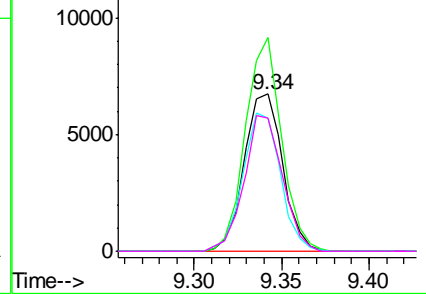
#64
 Tetrachloroethene
 Concen: 3.18 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
164	100		
166	135.8	102.9	154.3
129	84.6	68.6	102.8
131	84.3	66.8	100.2

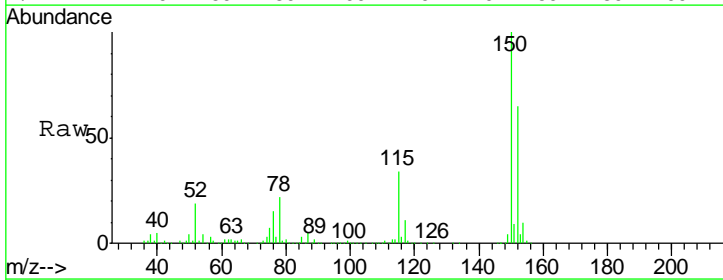


Abundance Ion 163.80 (163.50 to 164.50): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V

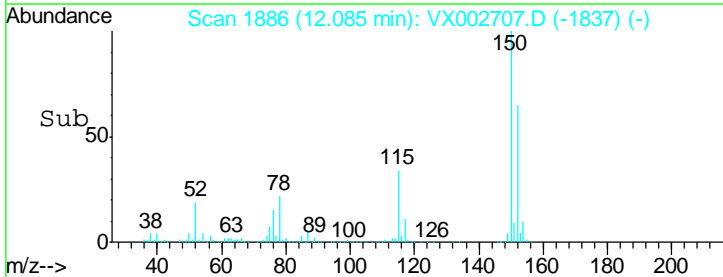
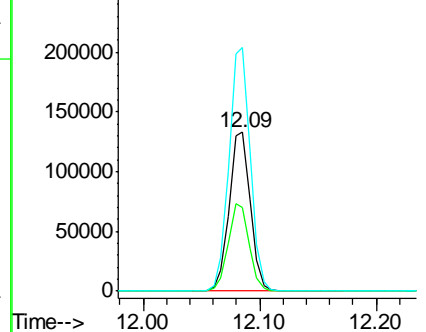


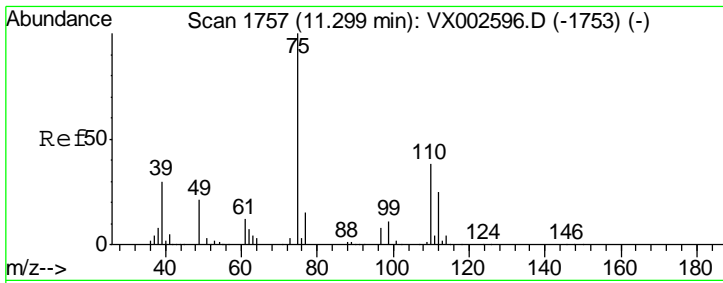
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.1	40.1	120.2
150	154.5	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

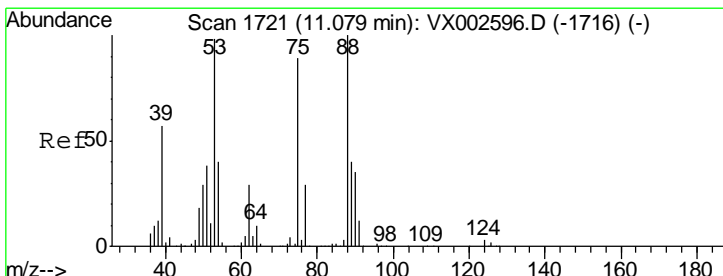
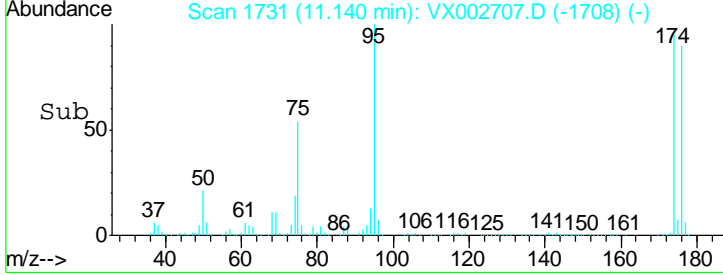
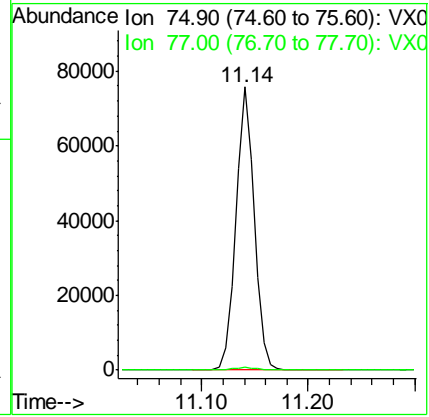
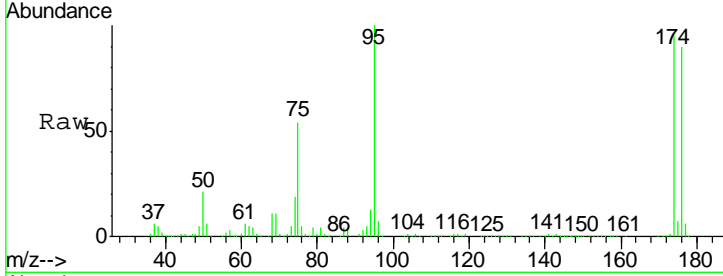




#76
 1,2,3-Trichloropropane
 Concen: 29.09 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.2	22.8	68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.48 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002707.D
 Acq: 19 Jun 2018 04:33

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.1	86.8	130.2#
89	0.0	38.2	57.2#

