

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002766.D
 Acq On : 21 Jun 2018 02:58
 Operator : JC/MD
 Sample : PB110408ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 05:58:05 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	232534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177756	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	160519	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
35) Dibromofluoromethane	5.51	113	128192	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.72	98	473858	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.14	95	168602	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

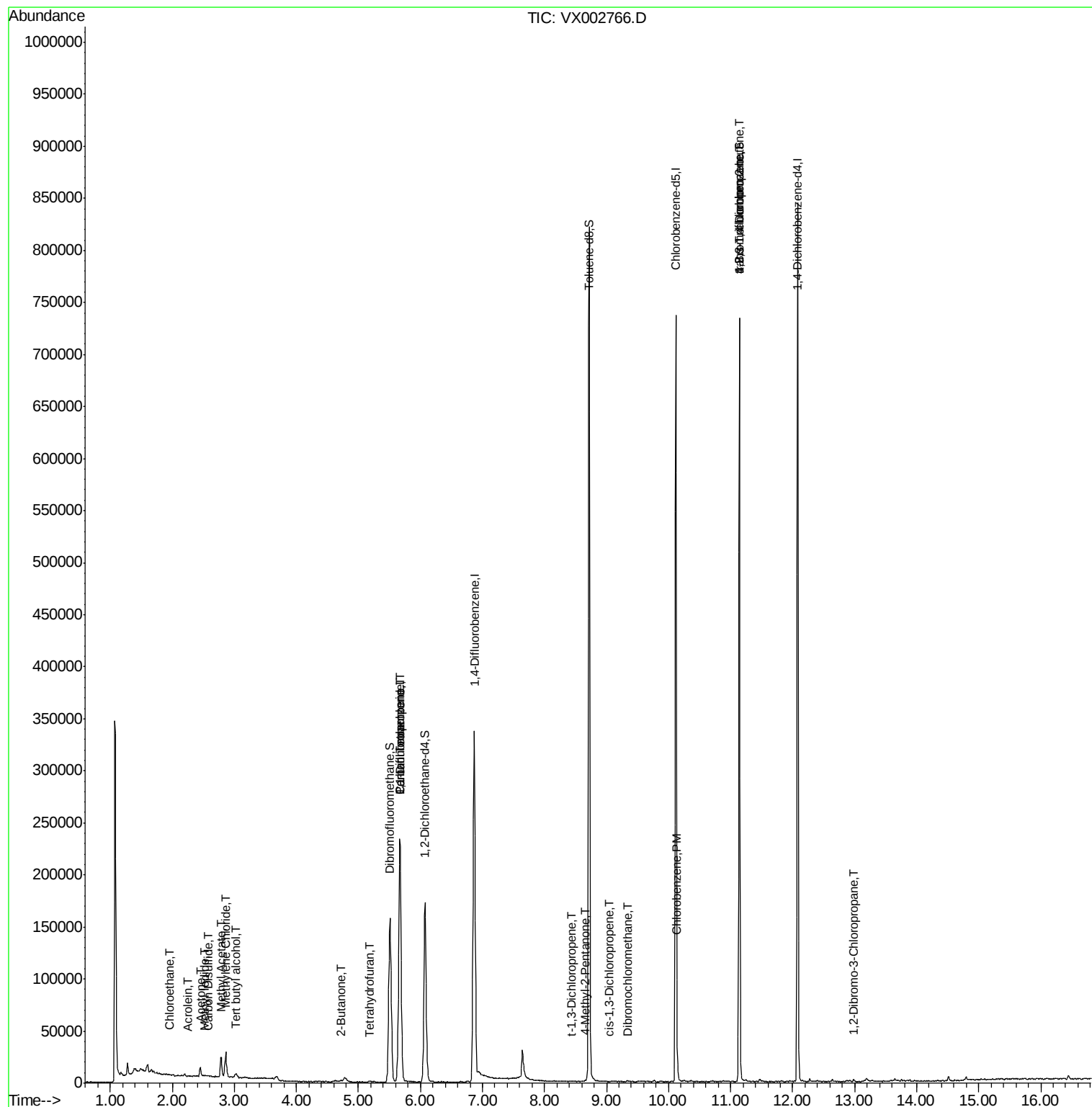
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.96	64	1185	0.59	ug/l #	65
10) Methyl Iodide	2.53	142	1625	5.57	ug/l #	97
11) Tert butyl alcohol	3.03	59	2317	3.17	ug/l	96
13) Acrolein	2.24	56	178	7.37	ug/l #	74
16) Acetone	2.45	43	10358	6.64	ug/l	94
17) Carbon Disulfide	2.57	76	1438	0.23	ug/l #	55
18) Methyl Acetate	2.78	43	23366	5.63	ug/l	97
20) Methylene Chloride	2.86	84	10912	3.41	ug/l	97
25) 2-Butanone	4.71	43	1807	0.88	ug/l	97
29) Tetrahydrofuran	5.18	42	1023	0.76	ug/l #	50
36) 1,1-Dichloropropene	5.66	75	16194	4.63	ug/l #	51
38) Carbon Tetrachloride	5.67	117	21324	6.12	ug/l #	15
51) 4-Methyl-2-Pentanone	8.65	43	1040	0.25	ug/l #	81
53) t-1,3-Dichloropropene	8.44	75	26	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.05	75	50	3.22	ug/l #	1
60) Dibromochloromethane	9.34	129	126	3.80	ug/l #	11
65) Chlorobenzene	10.14	112	3428	0.45	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	88350	26.34	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	88350	81.41	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.98	75	285	0.39	ug/l #	1

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

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ClientSampled :

Quant Time: Jun 21 05:58:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

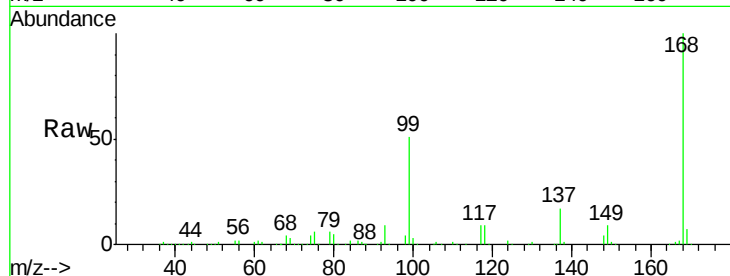
ClientSampleId :

Tot Ion:168 Resp: 232534

Ion Ratio Lower Upper

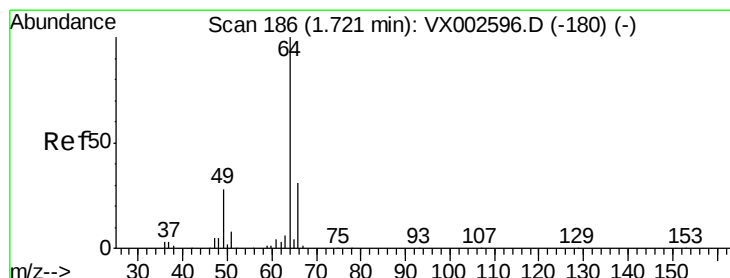
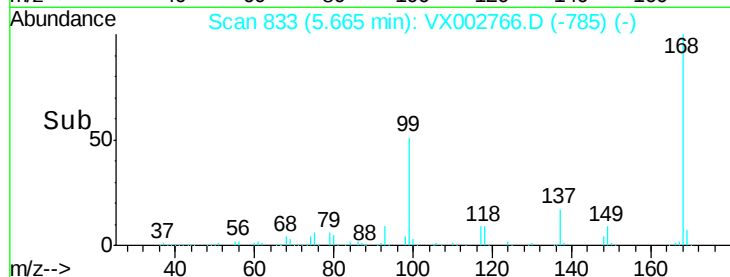
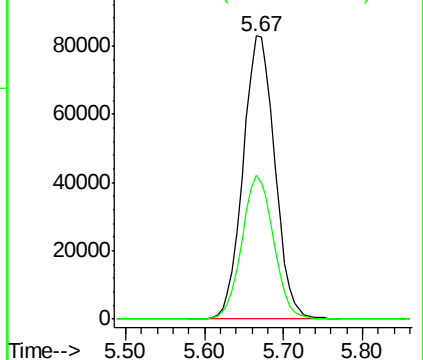
168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.59 ug/l

RT: 1.96 min Scan# 225

Delta R.T. 0.24 min

Lab File: VX002766.D

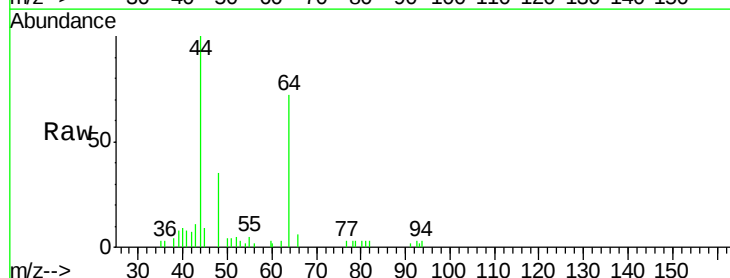
Acq: 21 Jun 2018 02:58

Tgt Ion: 64 Resp: 1185

Ion Ratio Lower Upper

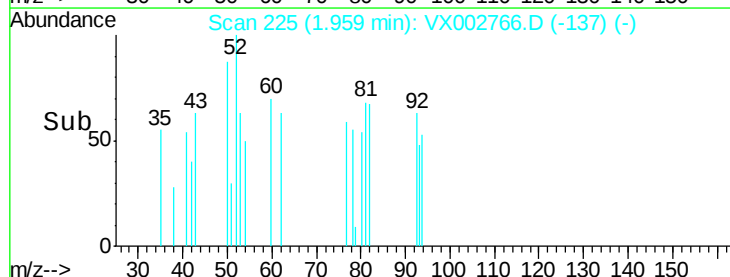
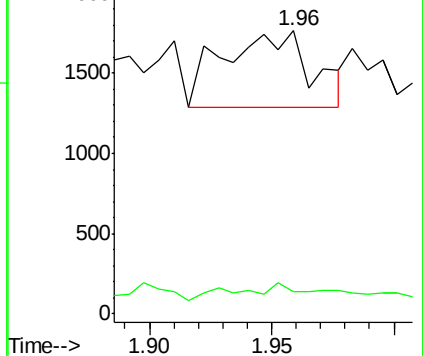
64 100

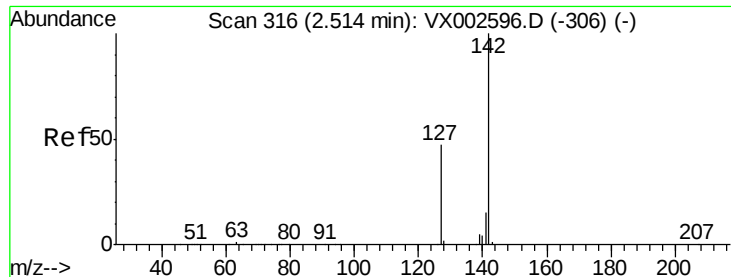
66 12.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

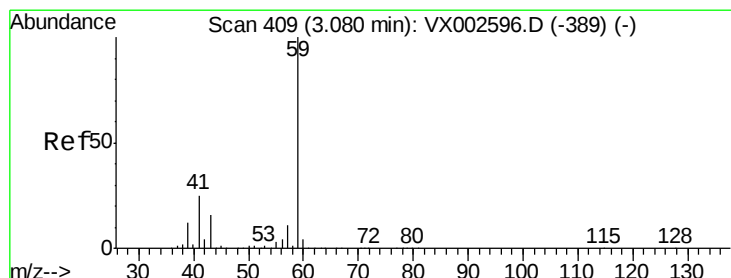
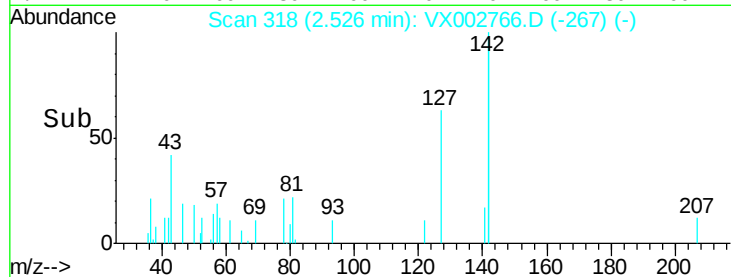
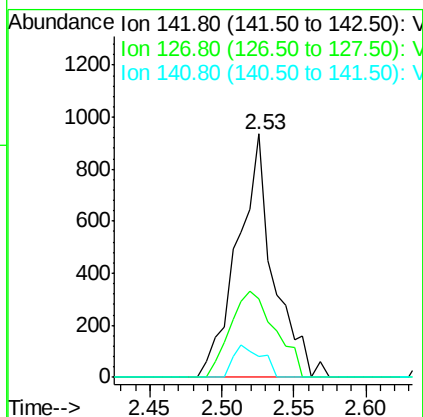
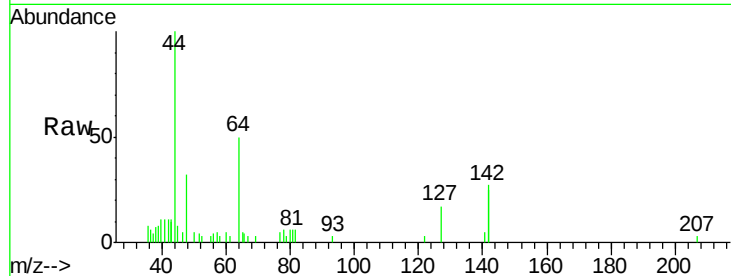




#10
Methyl Iodide
Concen: 5.57 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

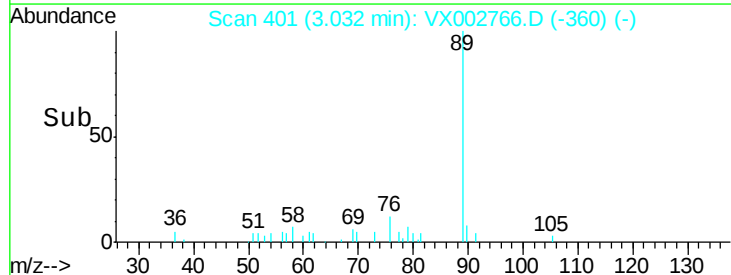
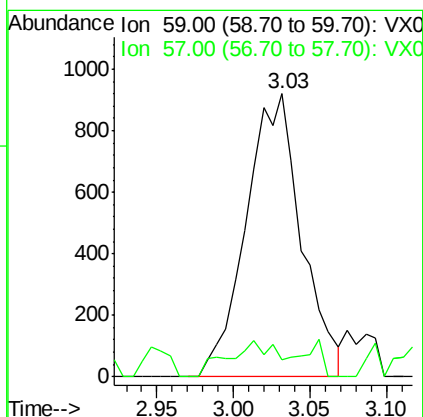
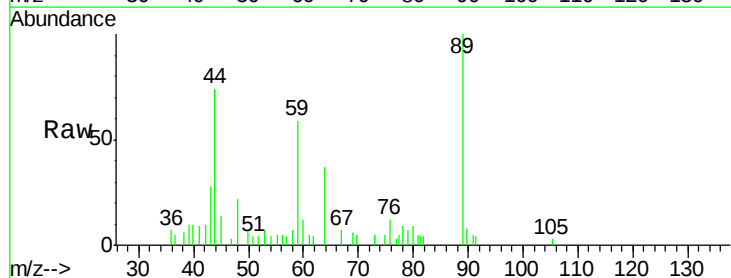
Instrument :
MSVOA_X
ClientSampleId :

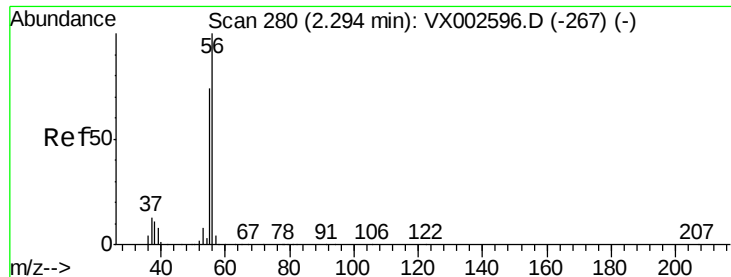
Tot Ion:142 Resp: 1625
Ion Ratio Lower Upper
142 100
127 44.6 36.6 55.0
141 10.6 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.17 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

Tgt Ion: 59 Resp: 2317
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.2





#13

Acrolein

Concen: 7.37 ug/l

RT: 2.24 min Scan# 271

Delta R.T. -0.05 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

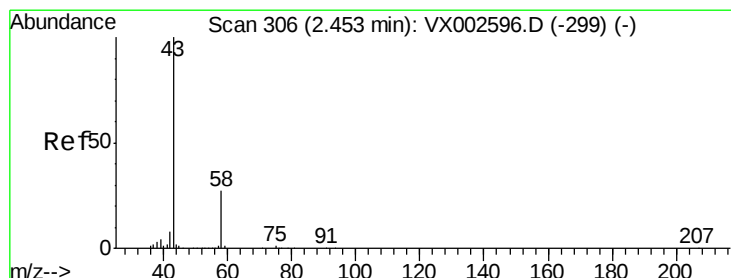
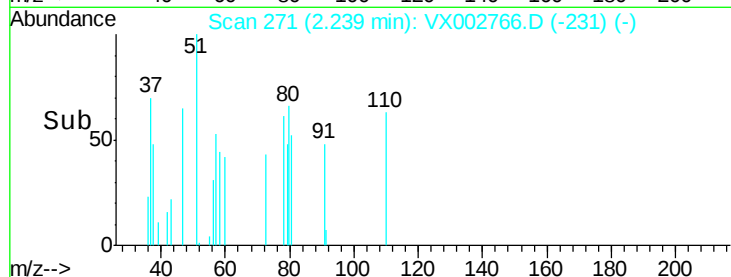
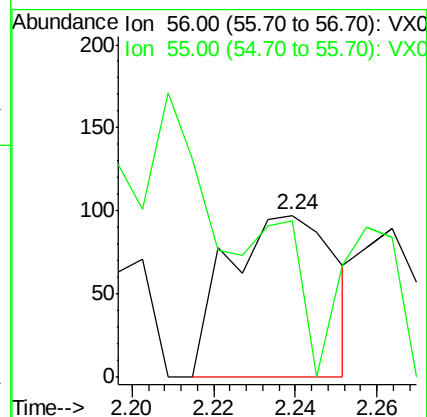
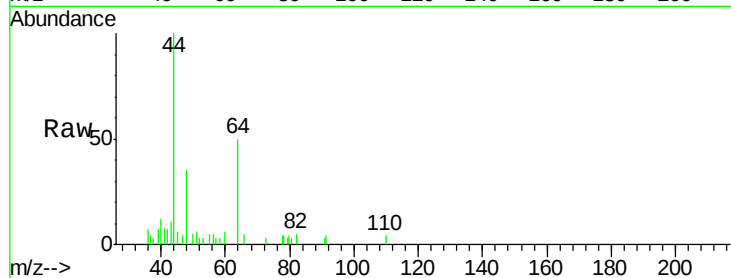
ClientSampled :

Tot Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 49.4 57.0 85.4#



#16

Acetone

Concen: 6.64 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002766.D

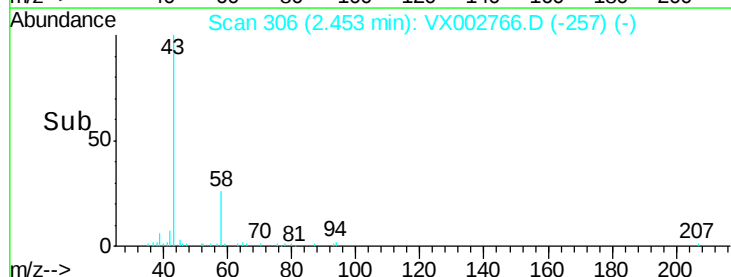
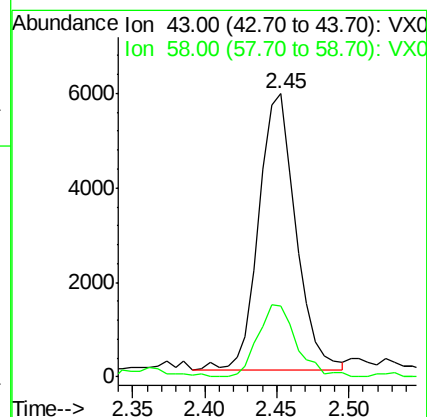
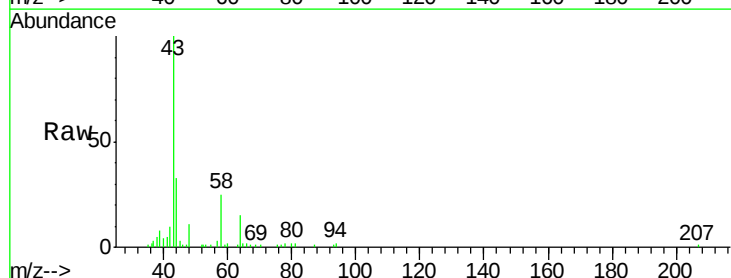
Acq: 21 Jun 2018 02:58

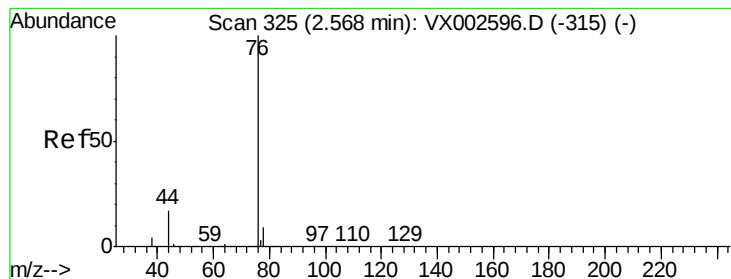
Tgt Ion: 43 Resp: 10358

Ion Ratio Lower Upper

43 100

58 24.6 22.1 33.1





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

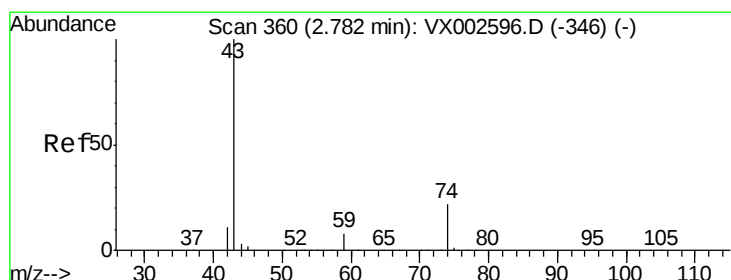
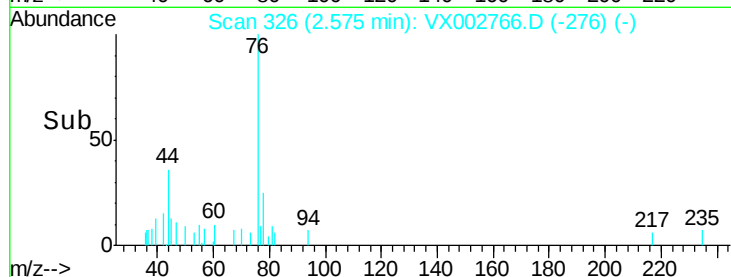
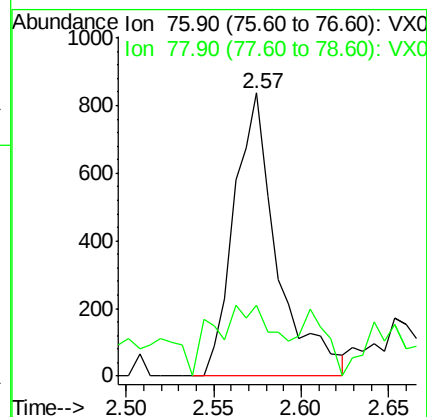
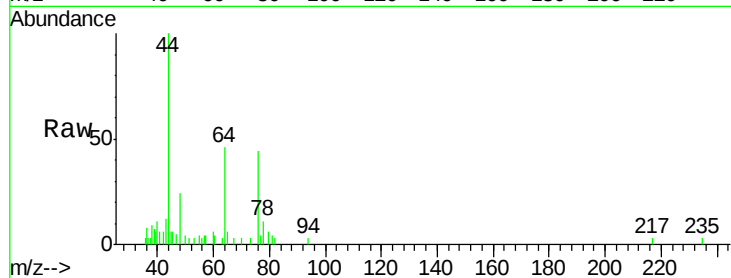
ClientSampleId :

Tot Ion: 76 Resp: 1438

Ion Ratio Lower Upper

76 100

78 24.9 6.9 10.3#



#18

Methyl Acetate

Concen: 5.63 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002766.D

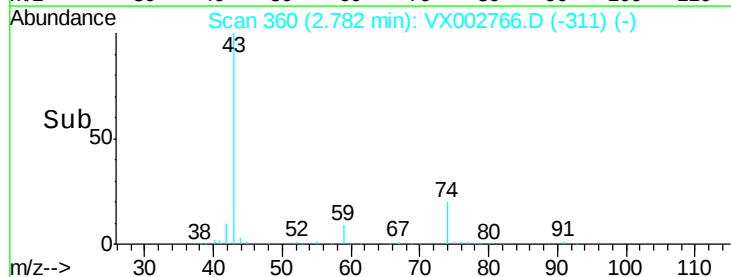
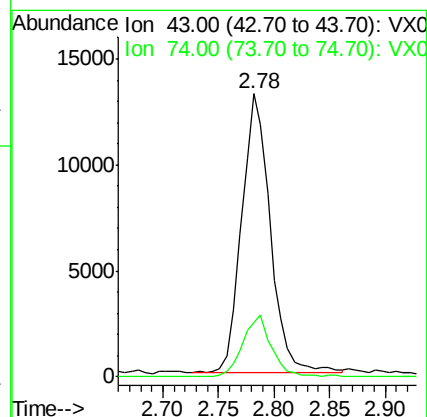
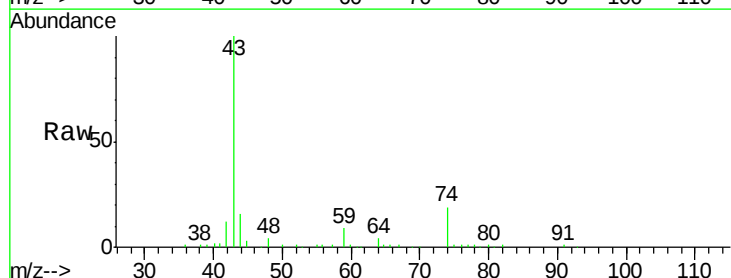
Acq: 21 Jun 2018 02:58

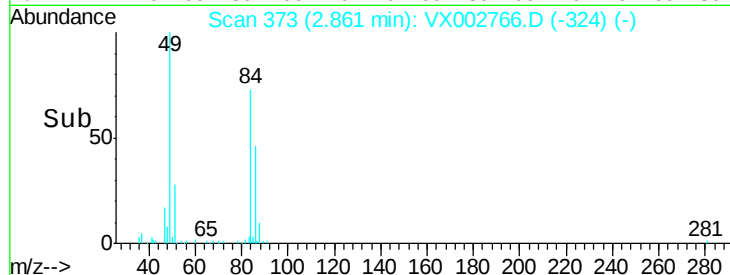
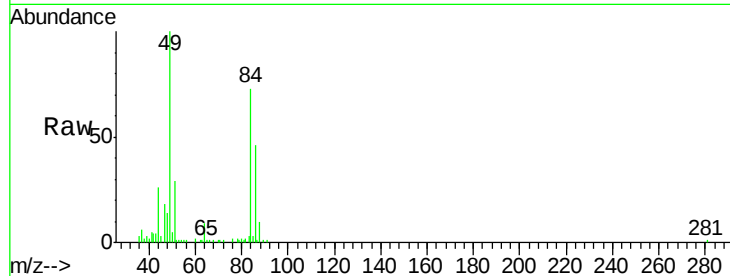
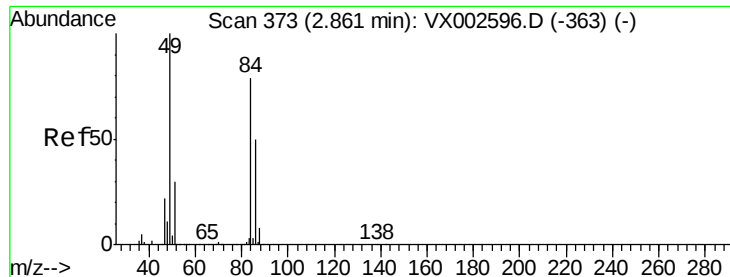
Tgt Ion: 43 Resp: 23366

Ion Ratio Lower Upper

43 100

74 22.5 16.7 25.1

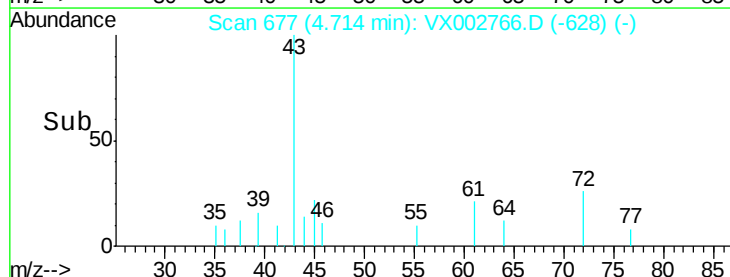
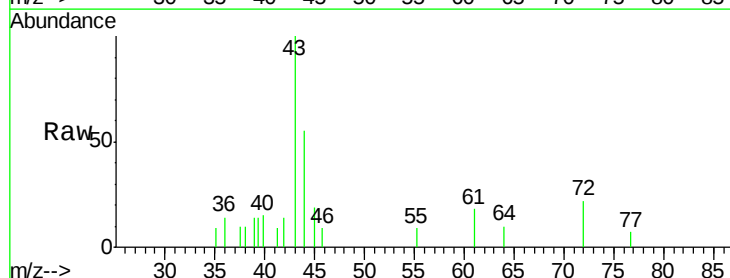
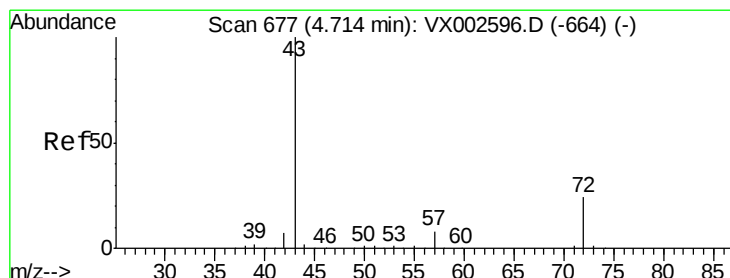
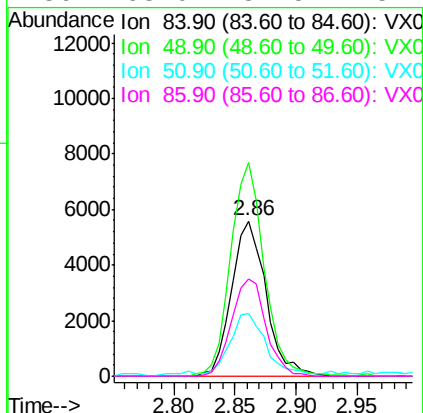




#20
Methvlene Chloride
Concen: 3.41 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

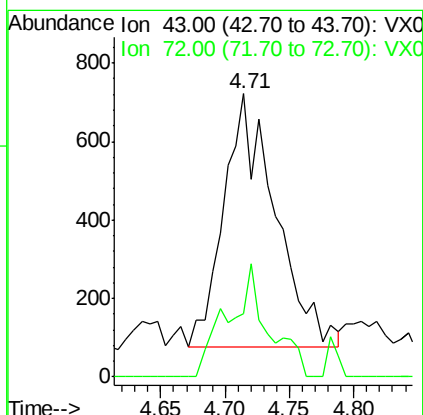
Instrument :
MSVOA_X
ClientSampleId :

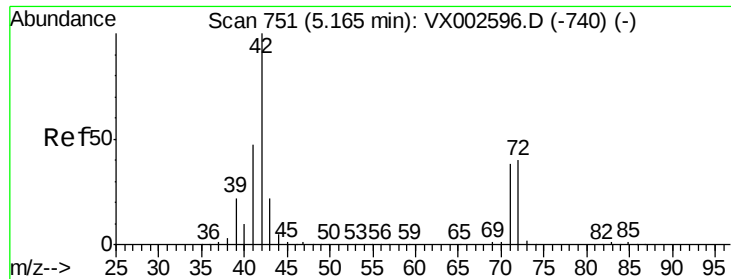
Tot Ion: 84 Resp: 10912
Ion Ratio Lower Upper
84 100
49 137.7 107.8 161.6
51 39.2 32.8 49.2
86 63.0 52.5 78.7



#25
2-Butanone
Concen: 0.88 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.00 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
72 24.7 18.5 27.7

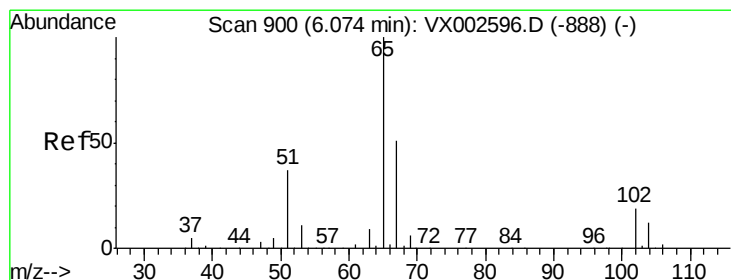
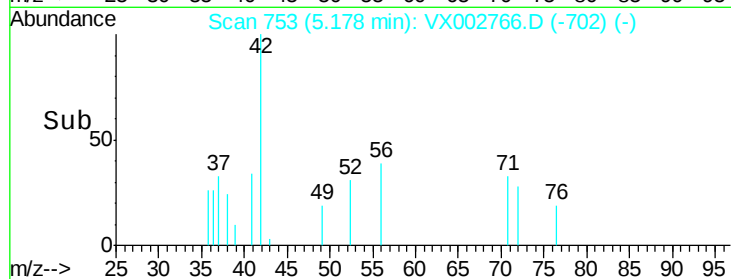
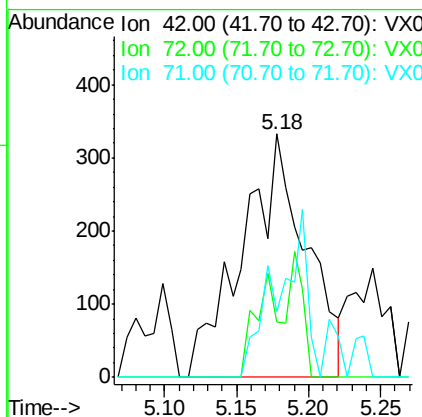
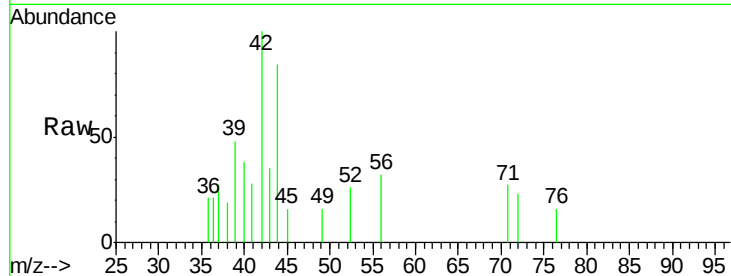




#29
Tetrahydrofuran
Concen: 0.76 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

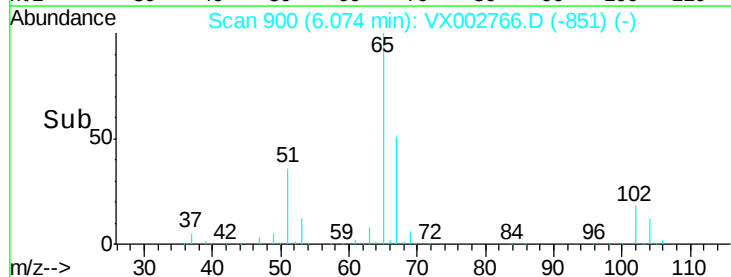
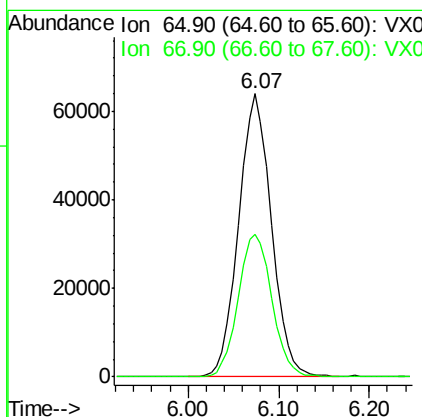
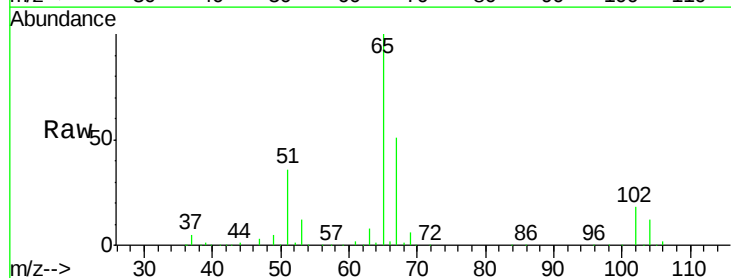
Instrument :
MSVOA_X
ClientSampled :

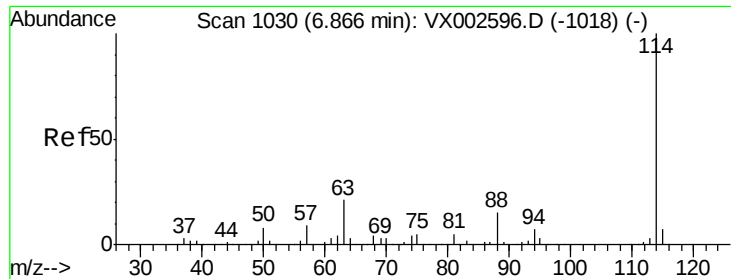
Tot Ion: 42 Resp: 1023
Ion Ratio Lower Upper
42 100
72 16.4 32.0 48.0#
71 0.0 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 45.43 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

Tgt Ion: 65 Resp: 160519
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.6

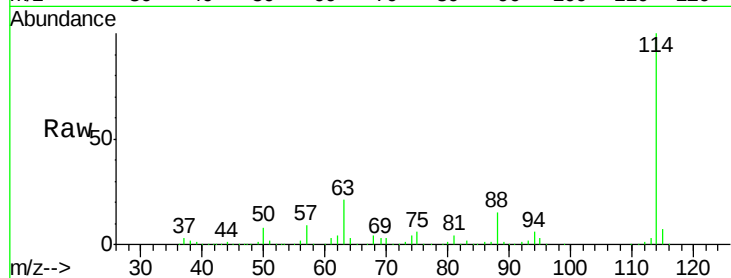




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002766.D
 Acq: 21 Jun 2018 02:58

Instrument :
 MSVOA_X
 ClientSampleId :

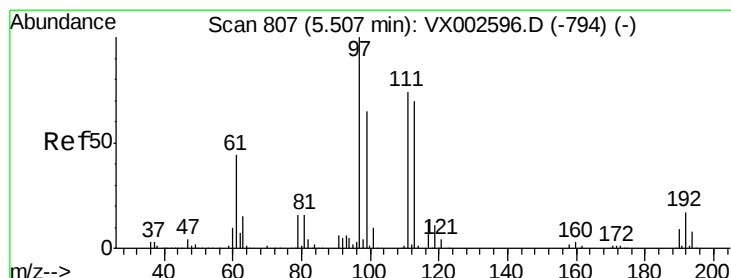
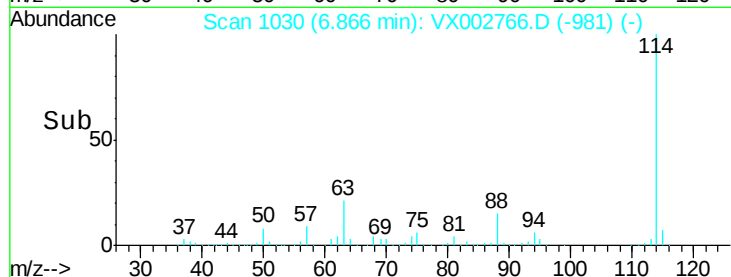
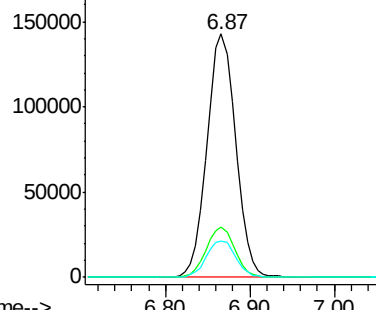
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	15.1	0.0	30.0



Abundance Ion 113.90 (113.60 to 114.60): V

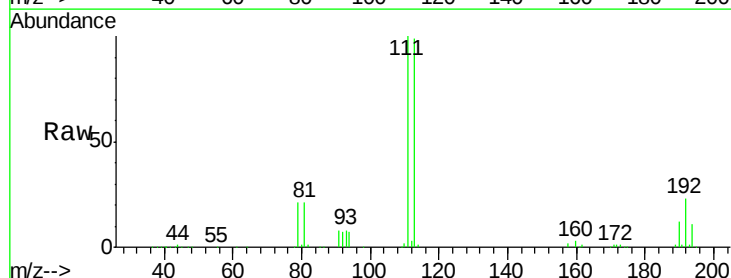
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 48.76 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002766.D
 Acq: 21 Jun 2018 02:58

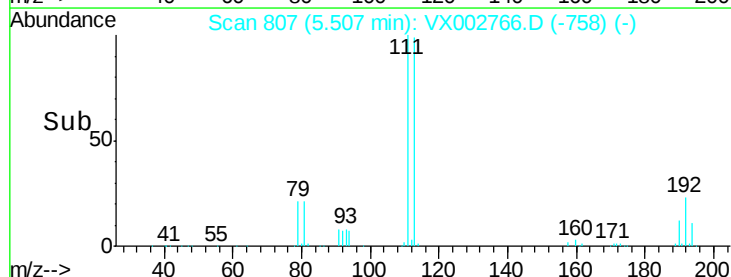
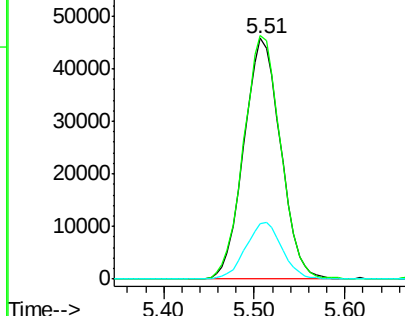
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	23.4	19.1	28.7

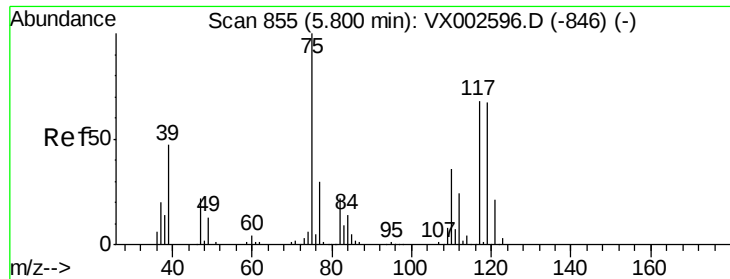


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

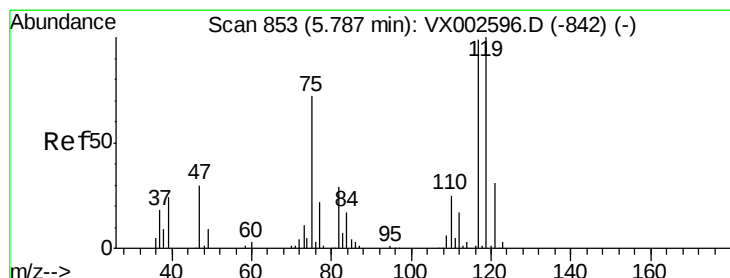
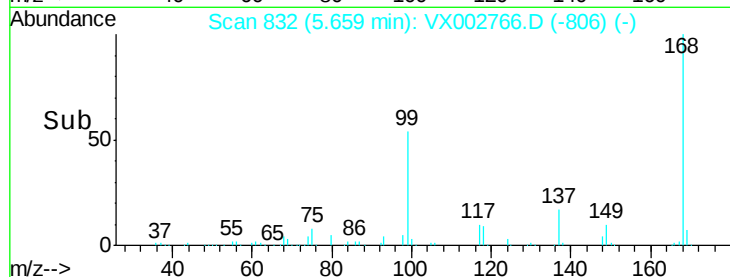
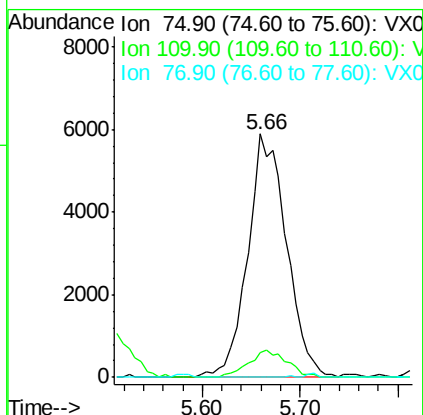
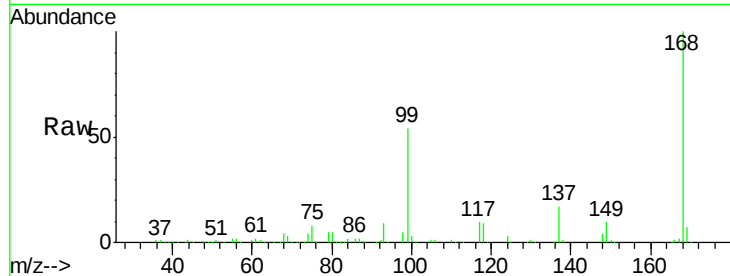




#36
 1,1-Dichloropropene
 Concen: 4.63 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX002766.D
 Acq: 21 Jun 2018 02:58

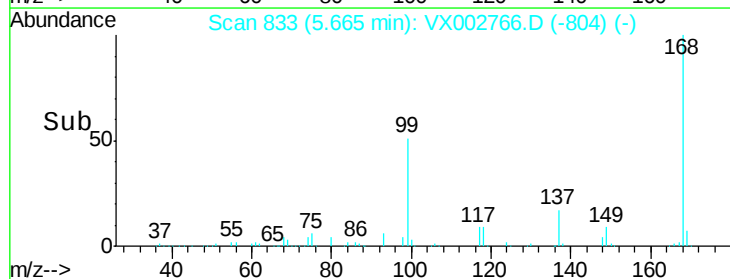
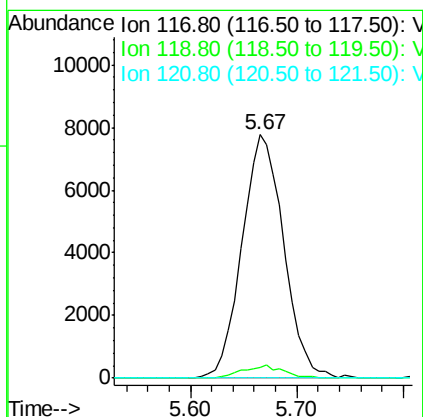
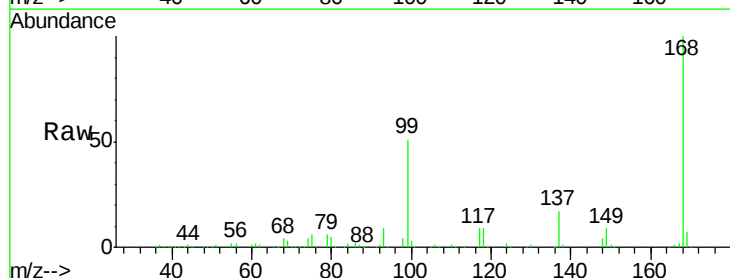
Instrument :
 MSVOA_X
 ClientSampleId :

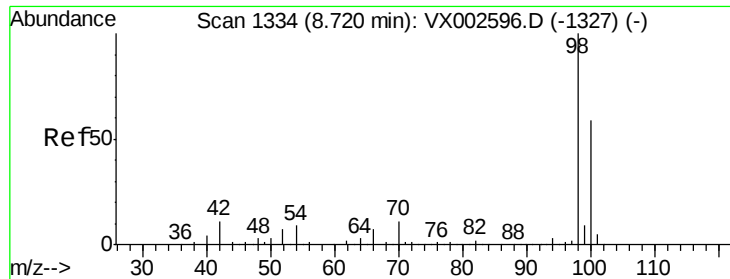
Tot Ion: 75 Resp: 16194
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.12 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002766.D
 Acq: 21 Jun 2018 02:58

Tgt Ion: 117 Resp: 21324
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.4 116.0#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 47.46 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

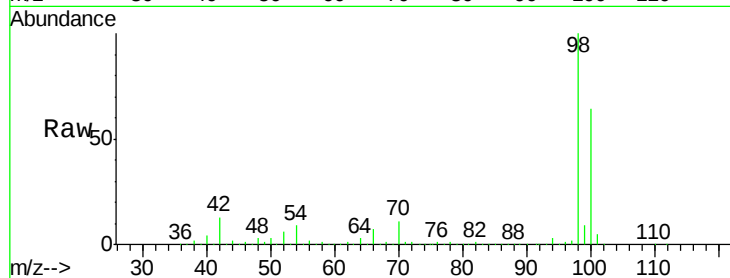
ClientSampled :

Tot Ion: 98 Resp: 473858

Ion Ratio Lower Upper

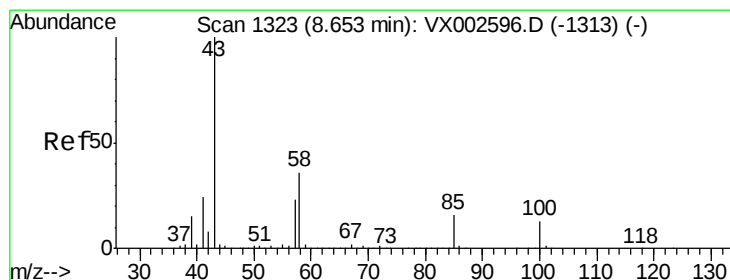
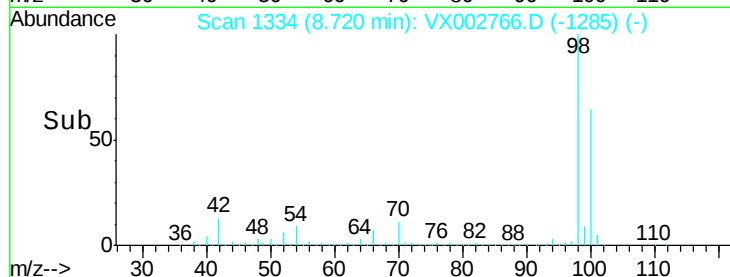
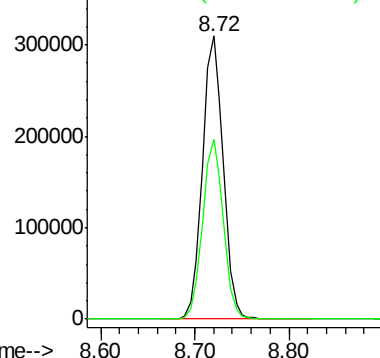
98 100

100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002766.D

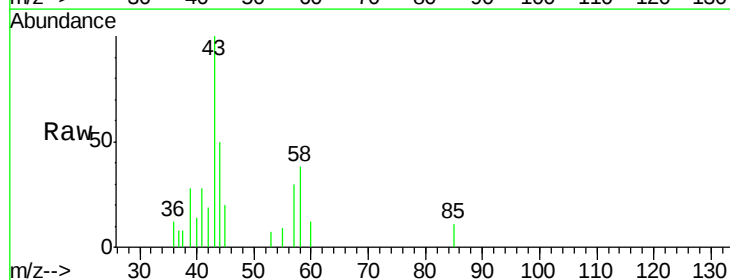
Acq: 21 Jun 2018 02:58

Tgt Ion: 43 Resp: 1040

Ion Ratio Lower Upper

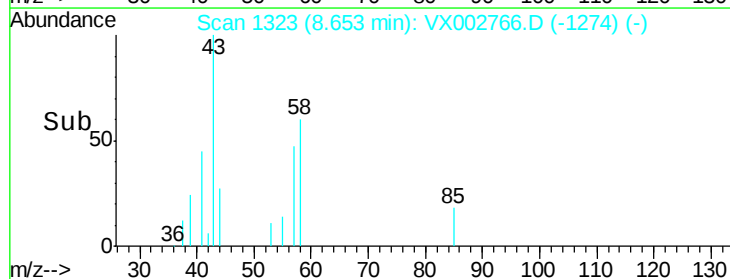
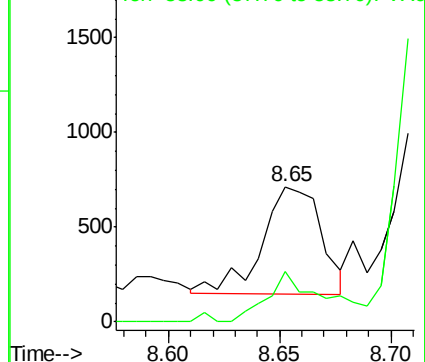
43 100

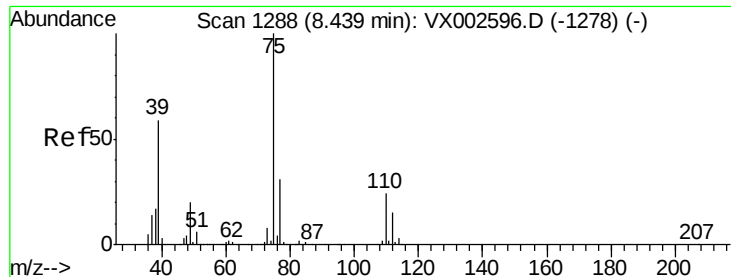
58 46.5 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

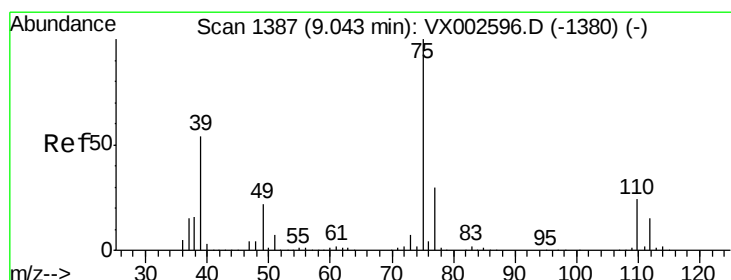
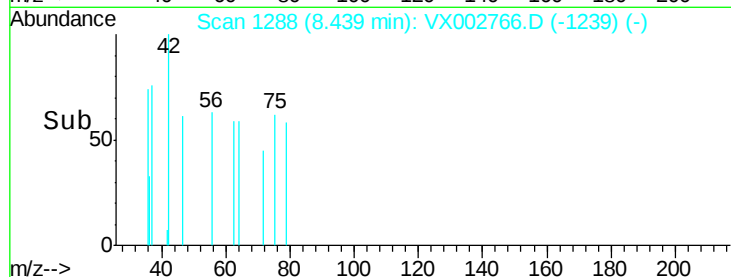
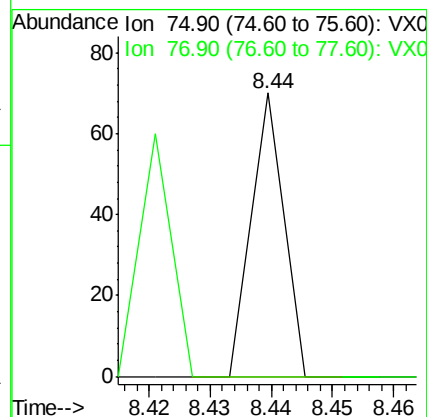
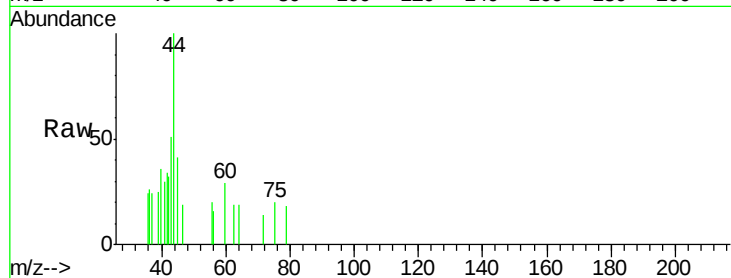
ClientSampleId :

Tot Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.22 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

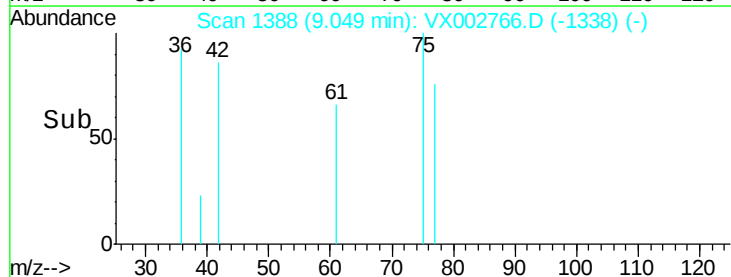
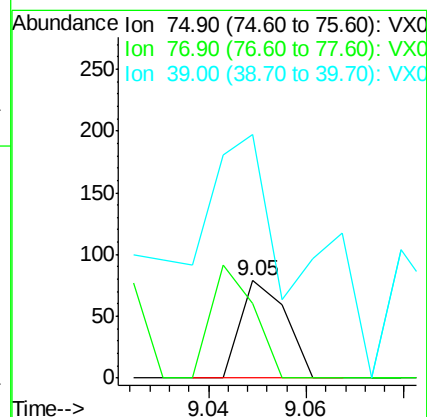
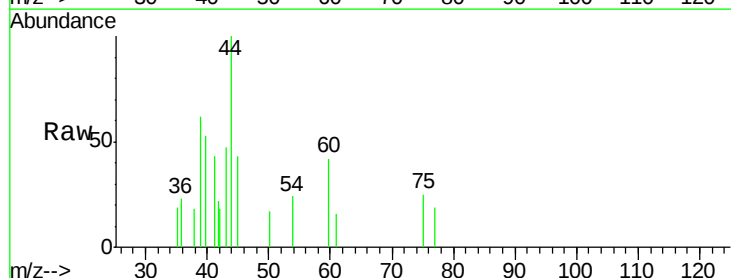
Tgt Ion: 75 Resp: 50

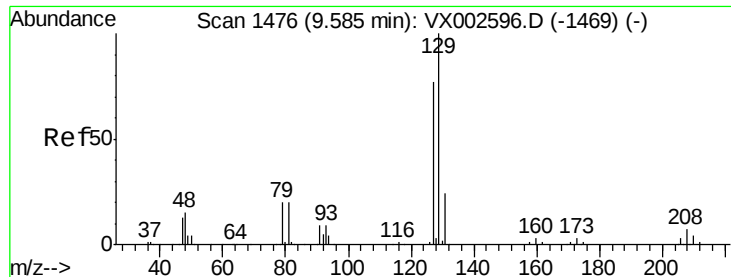
Ion Ratio Lower Upper

75 100

77 75.9 24.8 37.2#

39 134.2 42.4 63.6#

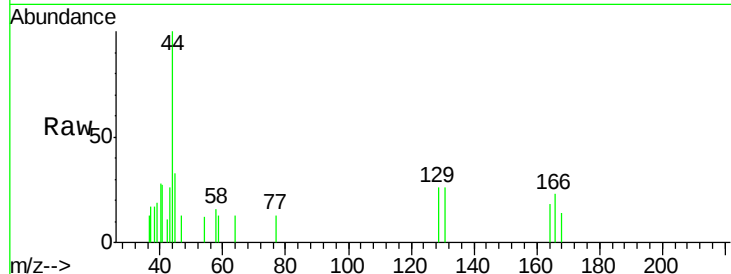




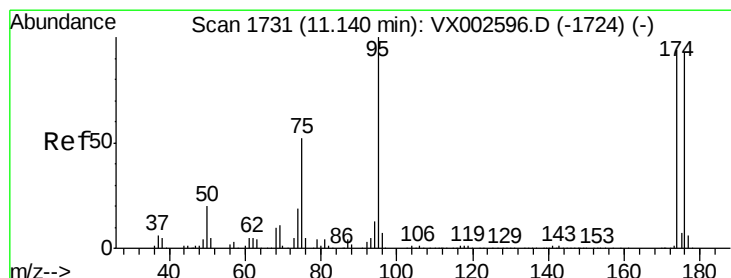
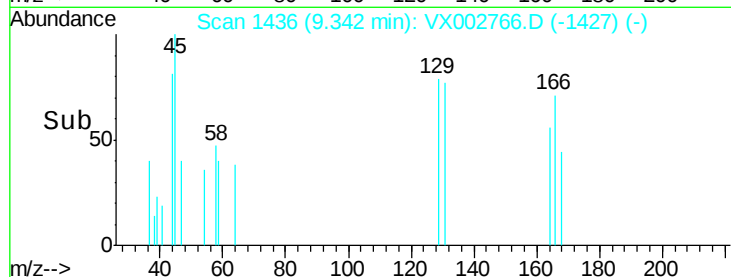
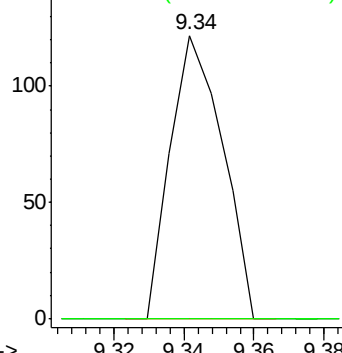
#60
Dibromochloromethane
Concen: 3.80 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 126
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

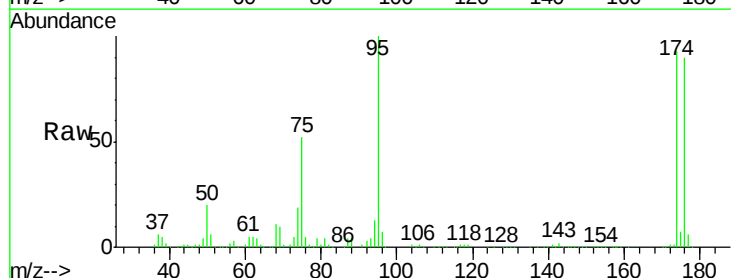


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

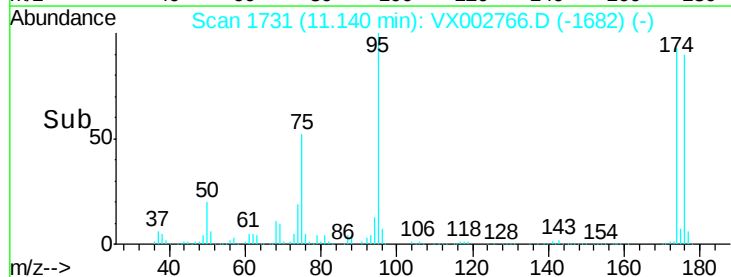
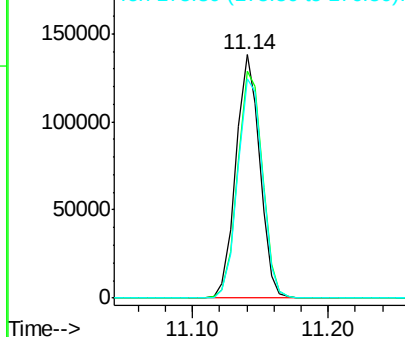


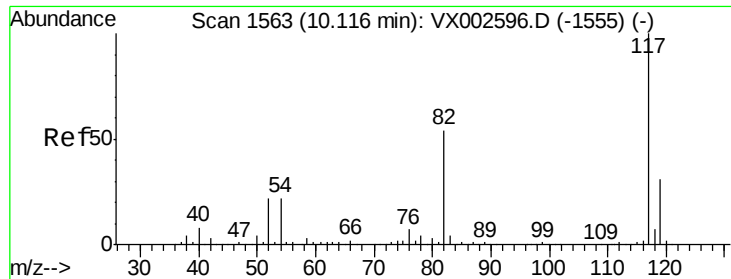
#62
4-Bromofluorobenzene
Concen: 44.57 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

Tgt Ion: 95 Resp: 168602
Ion Ratio Lower Upper
95 100
174 97.1 0.0 187.4
176 93.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

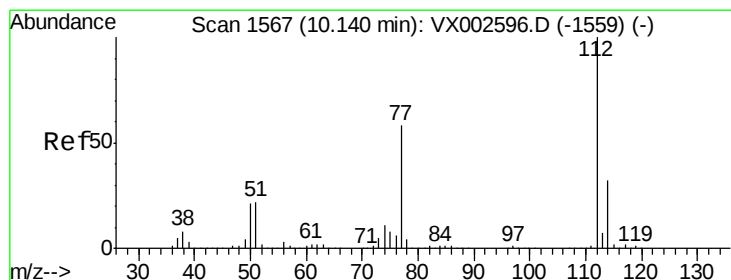
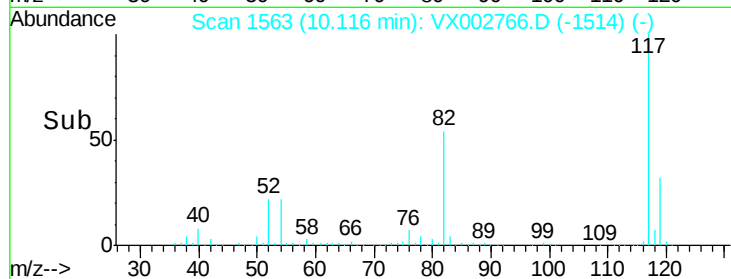
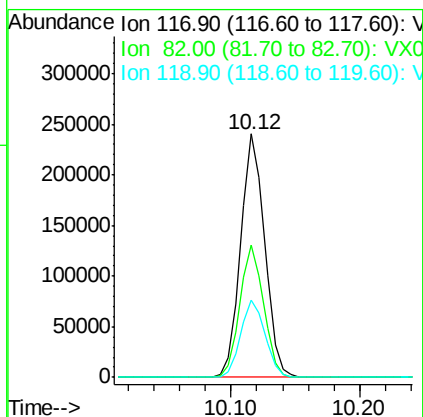
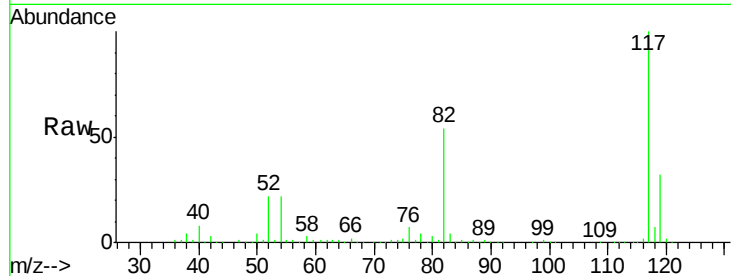




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

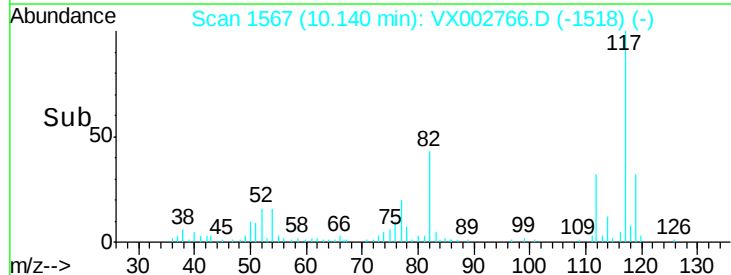
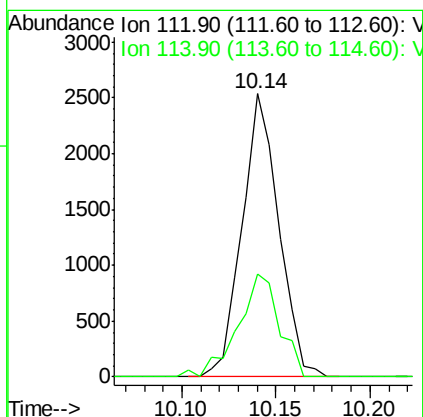
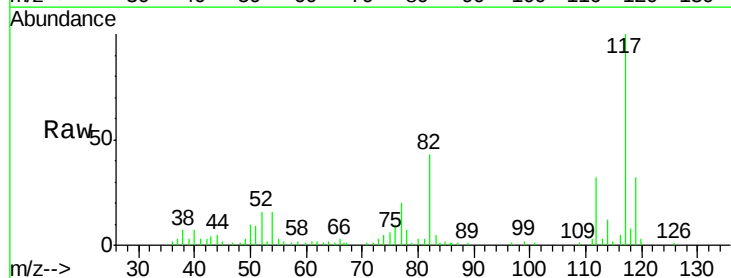
Instrument :
MSVOA_X
ClientSampleId :

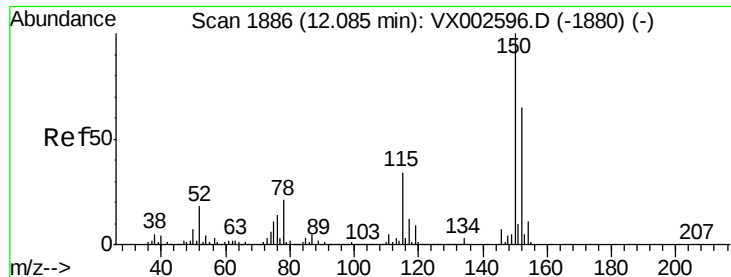
Tot Ion:117 Resp: 310910
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.7 25.8 38.6



#65
Chlorobenzene
Concen: 0.45 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002766.D
Acq: 21 Jun 2018 02:58

Tgt Ion:112 Resp: 3428
Ion Ratio Lower Upper
112 100
114 36.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

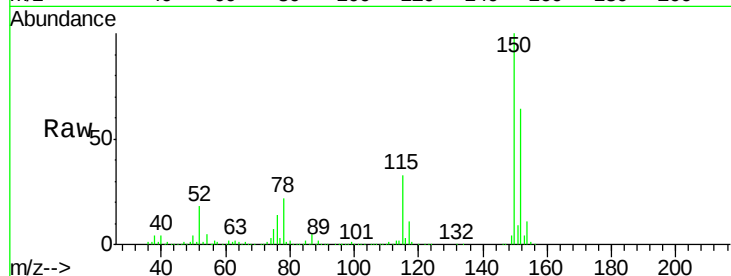
Tot Ion:152 Resp: 177756

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

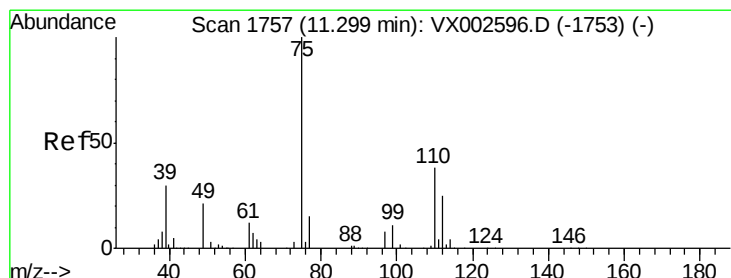
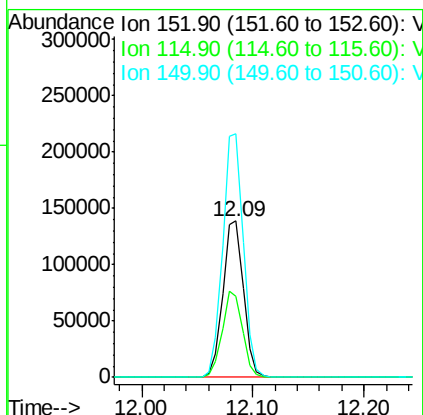
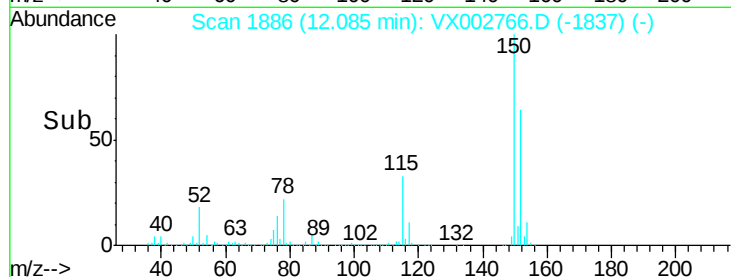
150 156.0 0.0 347.2



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: 26.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002766.D

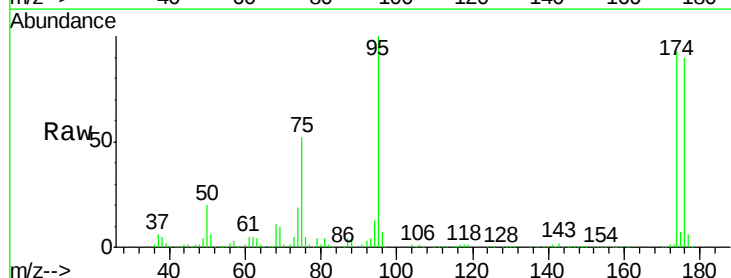
Acq: 21 Jun 2018 02:58

Tgt Ion: 75 Resp: 88350

Ion Ratio Lower Upper

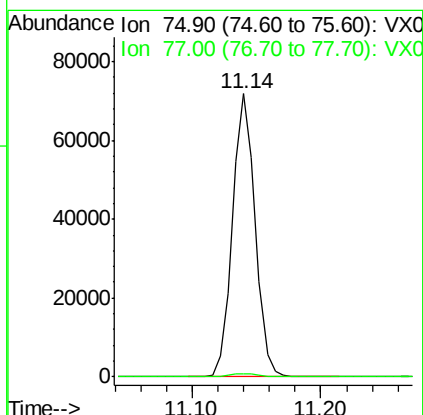
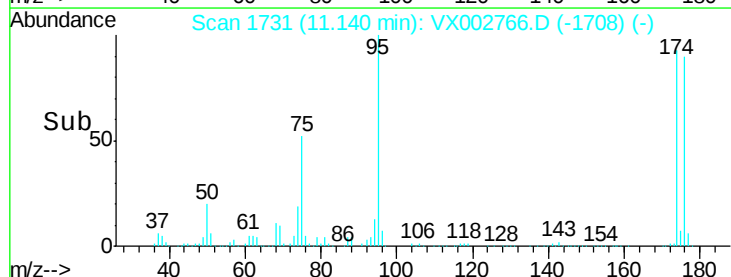
75 100

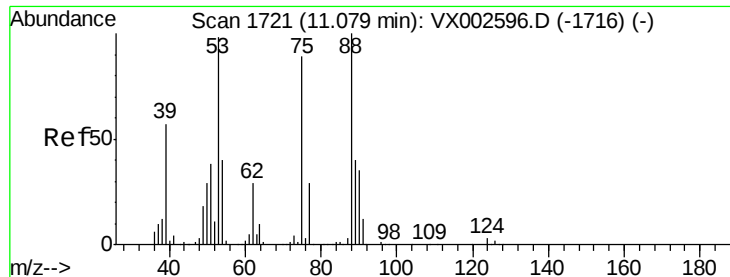
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

Instrument :

MSVOA_X

ClientSampled :

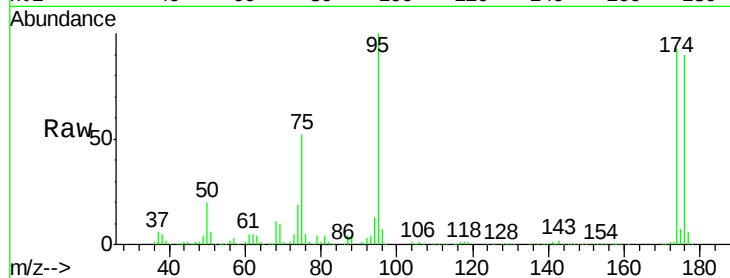
Tot Ion: 75 Resp: 88350

Ion Ratio Lower Upper

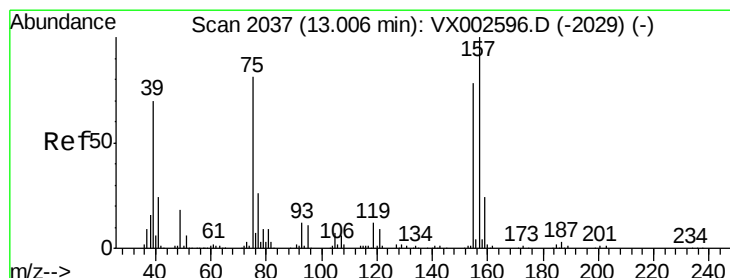
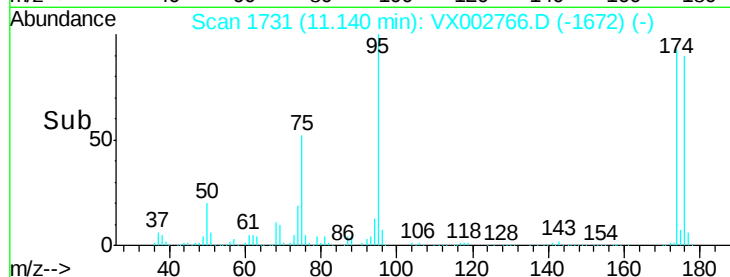
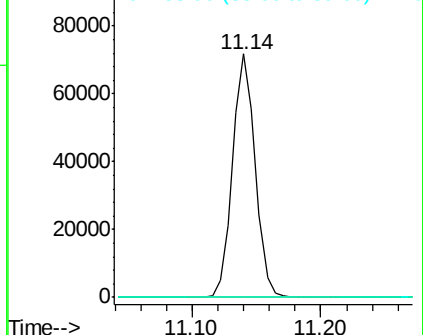
75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.39 ug/l

RT: 12.98 min Scan# 2032

Delta R.T. -0.03 min

Lab File: VX002766.D

Acq: 21 Jun 2018 02:58

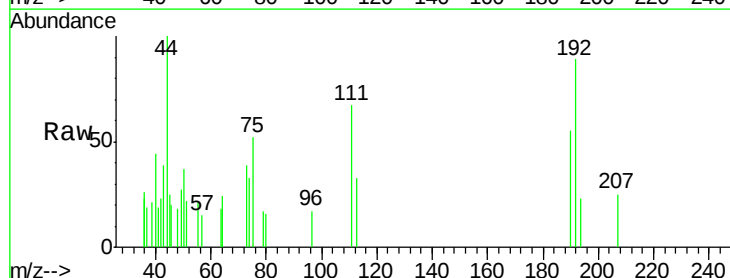
Tgt Ion: 75 Resp: 285

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

