

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002703.D
 Acq On : 19 Jun 2018 02:47
 Operator : JC/MD
 Sample : J3536-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:12:49 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	217126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157909	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	157408	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	5.51	113	122881	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.72	98	466369	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.14	95	159930	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

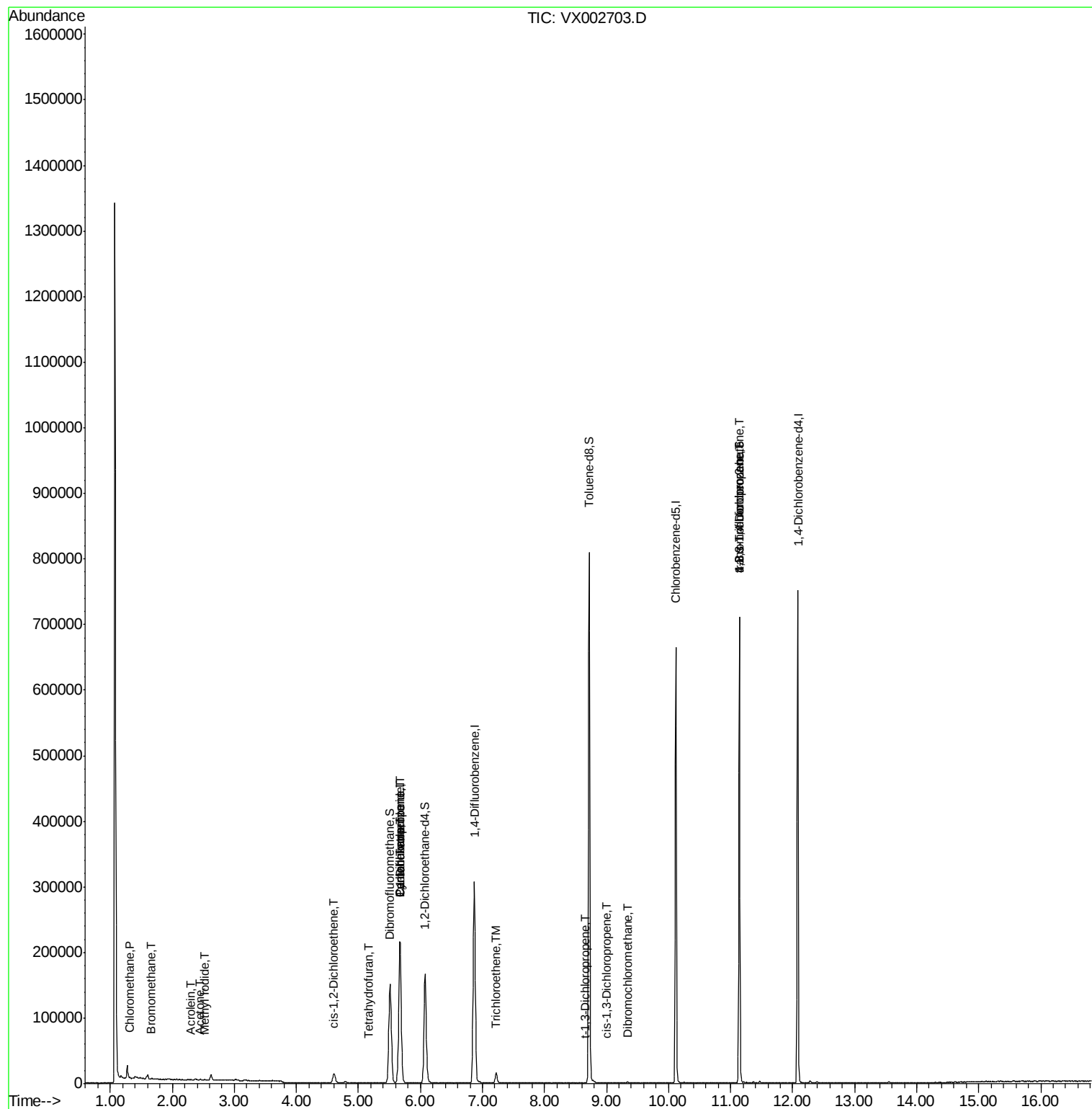
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	621	0.23	ug/l #	87
5) Bromomethane	1.65	94	1170	0.68	ug/l	95
10) Methyl Iodide	2.52	142	1067	5.46	ug/l #	76
13) Acrolein	2.31	56	104	7.18	ug/l #	71
16) Acetone	2.45	43	1364	0.94	ug/l	97
27) cis-1,2-Dichloroethene	4.61	96	7956	2.97	ug/l	88
29) Tetrahydrofuran	5.16	42	413	0.33	ug/l #	36
31) Cyclohexane	5.67	56	4591	1.18	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14325	4.42	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19970	6.19	ug/l #	18
44) Trichloroethene	7.22	130	5672	2.02	ug/l	90
53) t-1,3-Dichloropropene	8.66	75	39	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.00	75	19	3.22	ug/l #	1
60) Dibromochloromethane	9.34	129	158	3.81	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	85835	28.81	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	85835	88.64	ug/l #	7

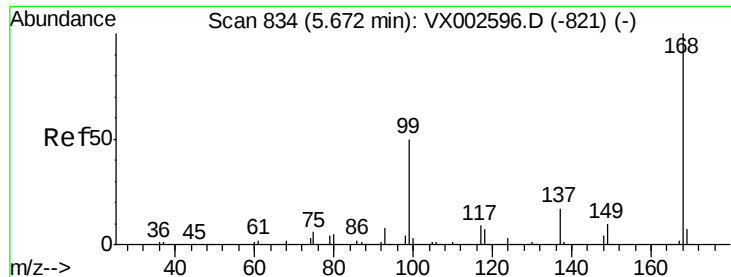
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

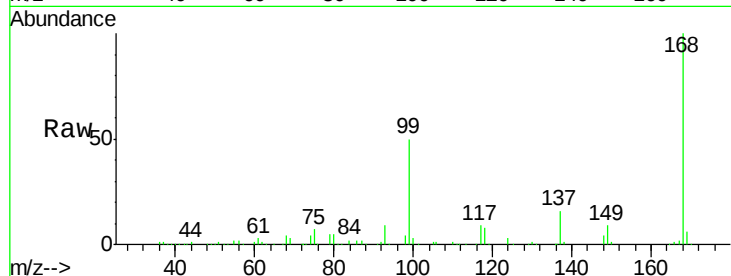
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 217126

Ion Ratio Lower Upper

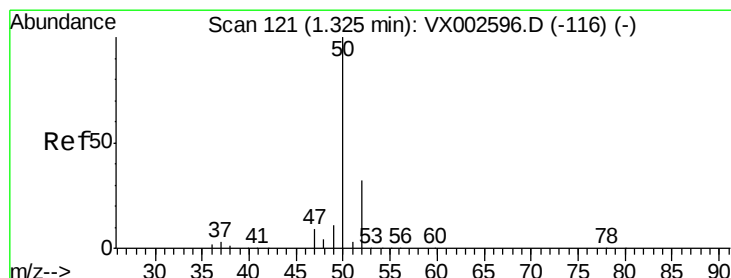
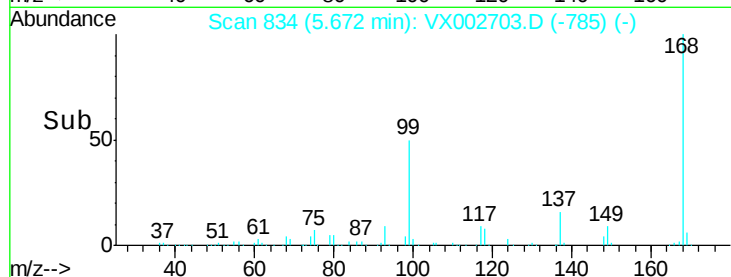
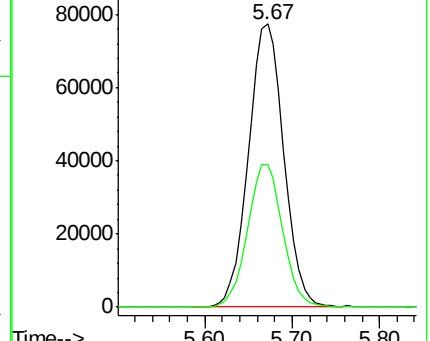
168 100

99 50.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002703.D

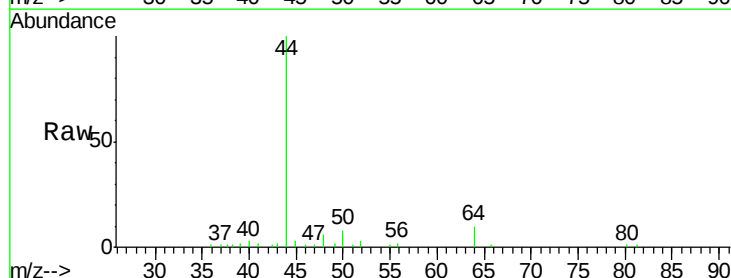
Acq: 19 Jun 2018 02:47

Tgt Ion: 50 Resp: 621

Ion Ratio Lower Upper

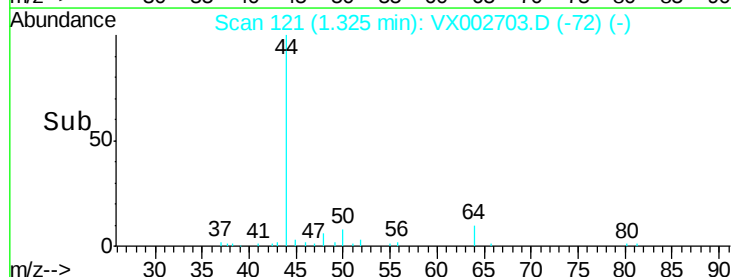
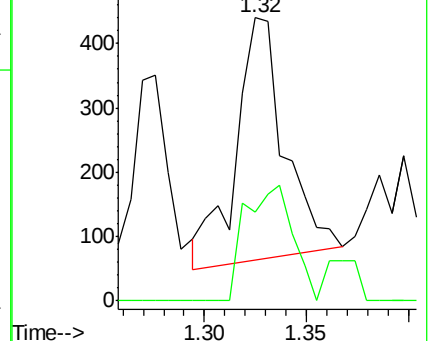
50 100

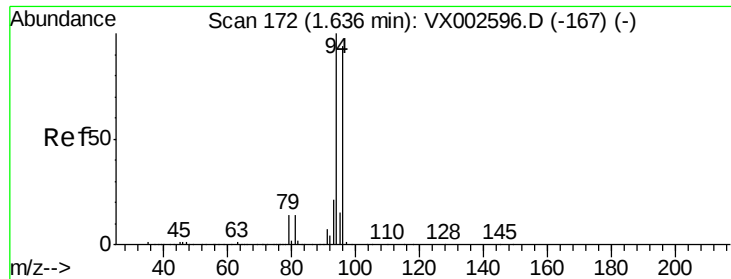
52 39.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.68 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

Instrument :

MSVOA_X

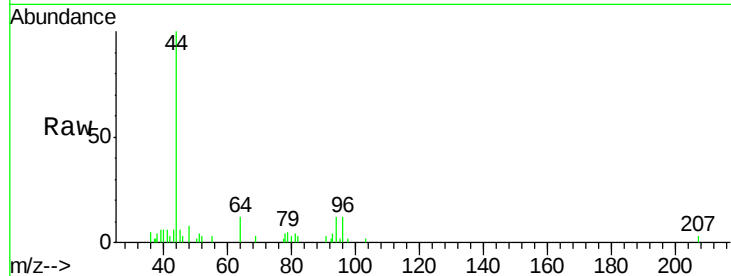
ClientSampleId :

Tot Ion: 94 Resp: 1170

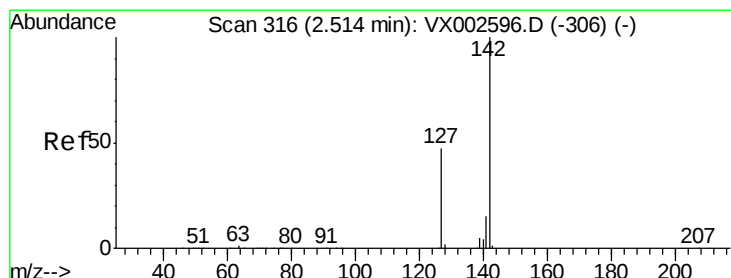
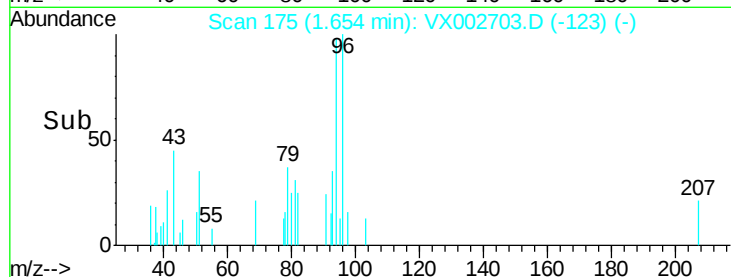
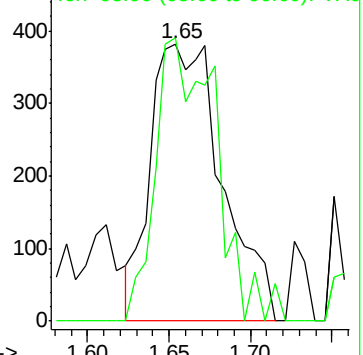
Ion Ratio Lower Upper

94 100

96 88.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX002703.D (-123) (-)



#10

Methyl Iodide

Concen: 5.46 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

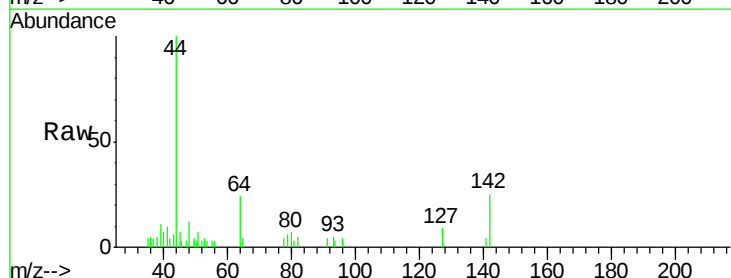
Tgt Ion: 142 Resp: 1067

Ion Ratio Lower Upper

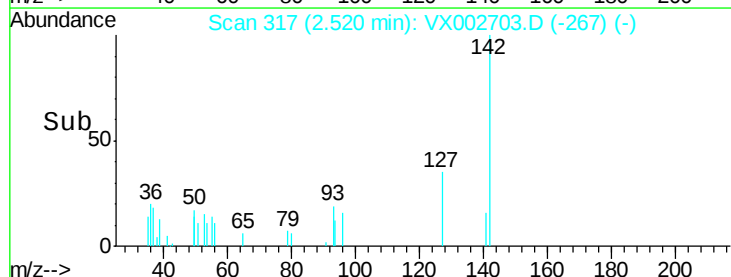
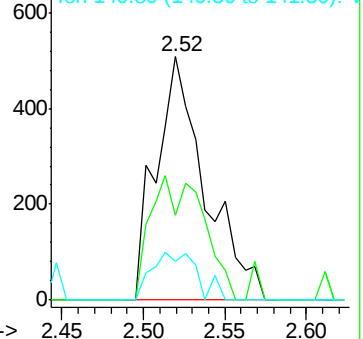
142 100

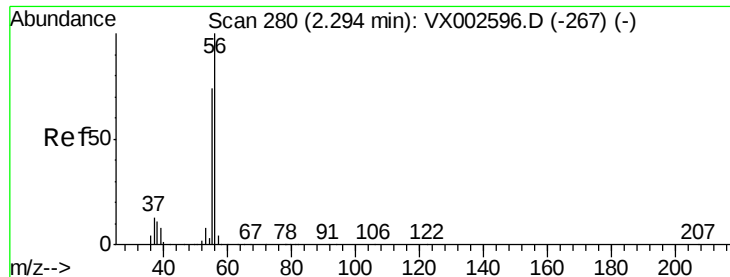
127 27.5 36.6 55.0#

141 18.2 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VX002703.D (-267) (-)





#13

Acrolein

Concen: 7.18 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

Instrument :

MSVOA_X

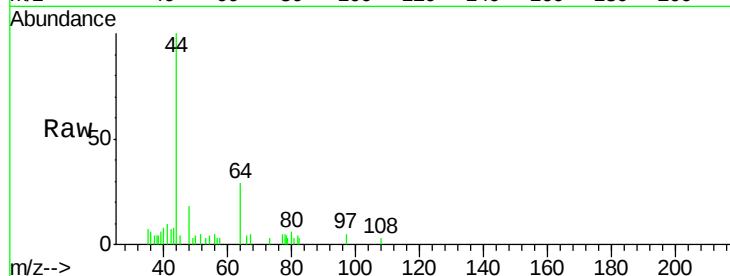
ClientSampleId :

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

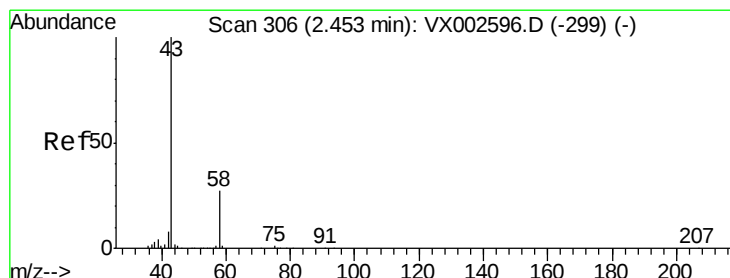
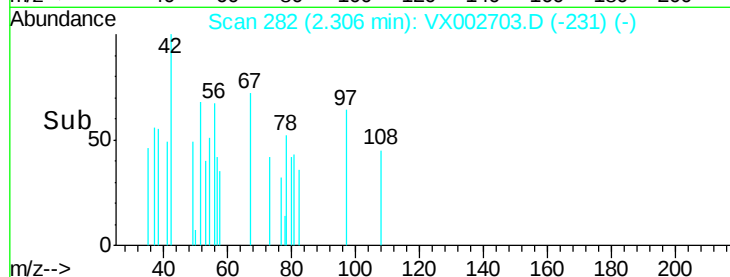
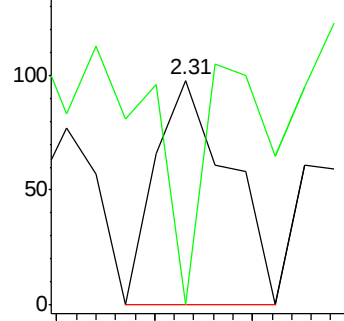
56 100

55 95.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.94 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002703.D

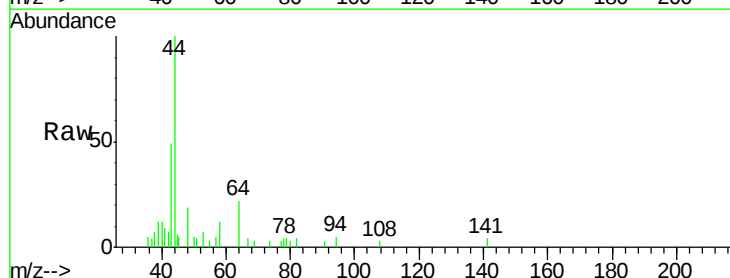
Acq: 19 Jun 2018 02:47

Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

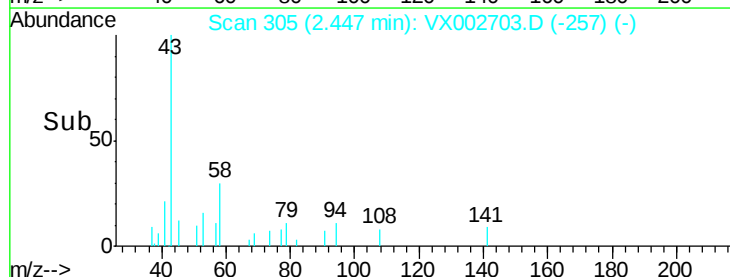
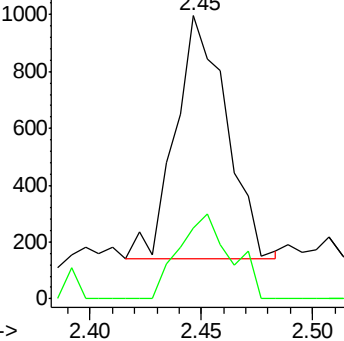
43 100

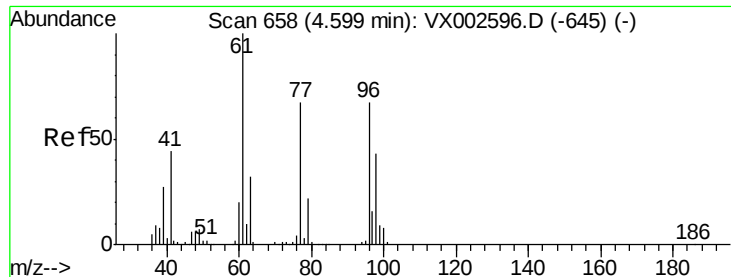
58 29.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



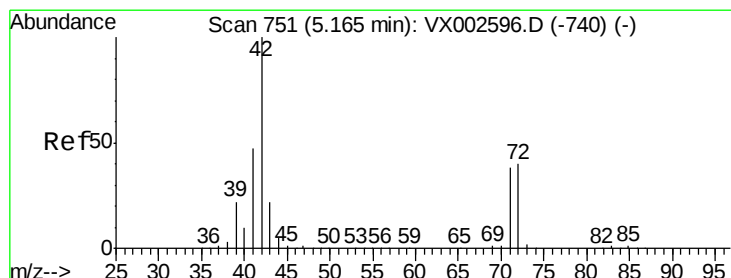
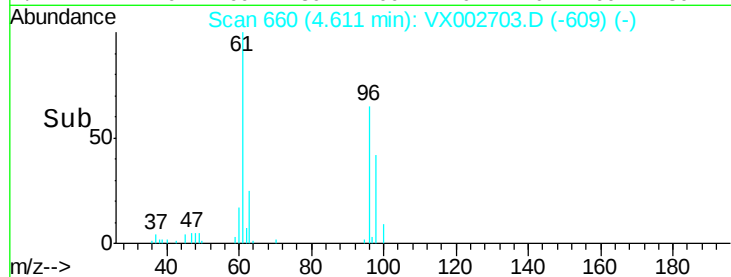
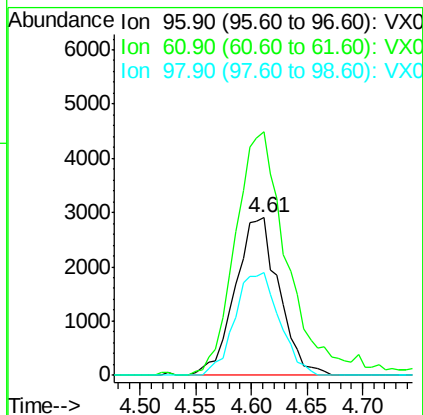
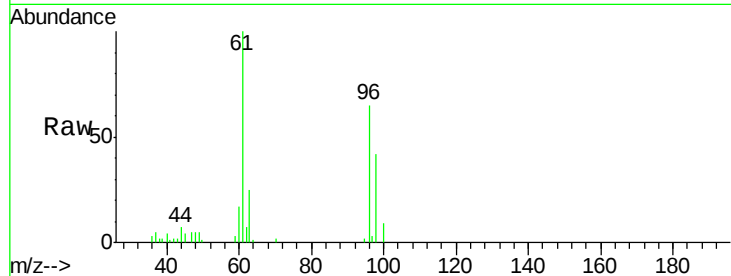


#27

cis-1,2-Dichloroethene
Concen: 2.97 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX002703.D
Acq: 19 Jun 2018 02:47

Instrument :
MSVOA_X
ClientSampled :

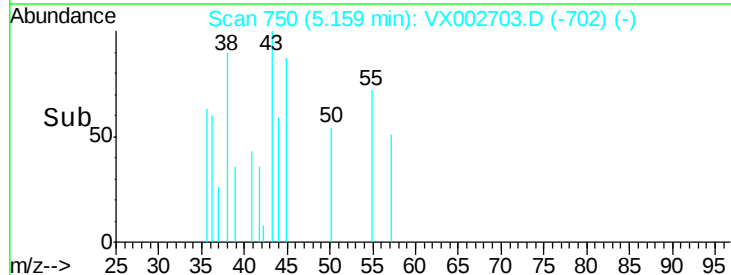
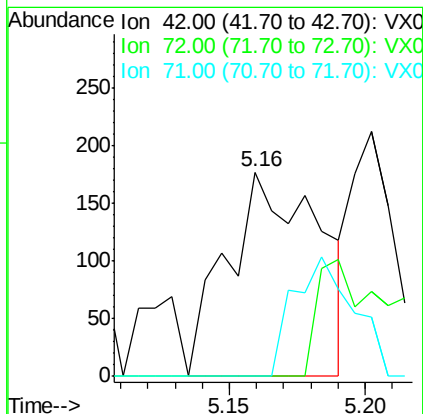
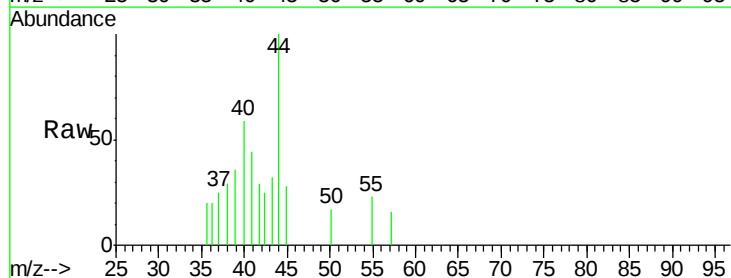
Tot Ion	Ratio	Lower	Upper
96	100		
61	186.5	0.0	330.2
98	66.1	0.0	130.2

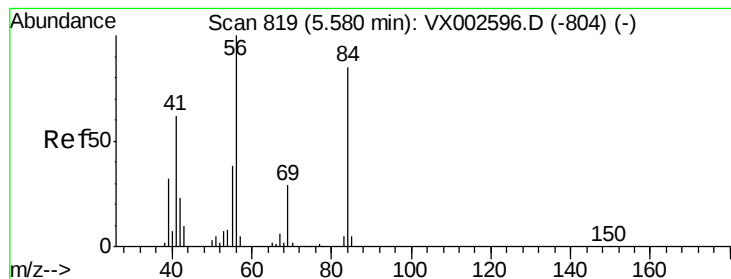


#29

Tetrahydrofuran
Concen: 0.33 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002703.D
Acq: 19 Jun 2018 02:47

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.0	48.0#
71	0.0	30.1	45.1#





#31

Cvclohexane

Concen: 1.18 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

Instrument :
MSVOA_X
ClientSampled :

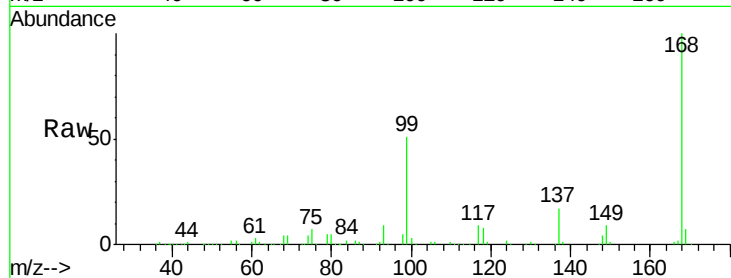
Tot Ion: 56 Resp: 4591

Ion Ratio Lower Upper

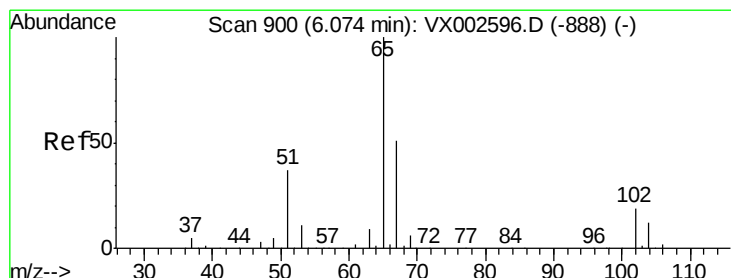
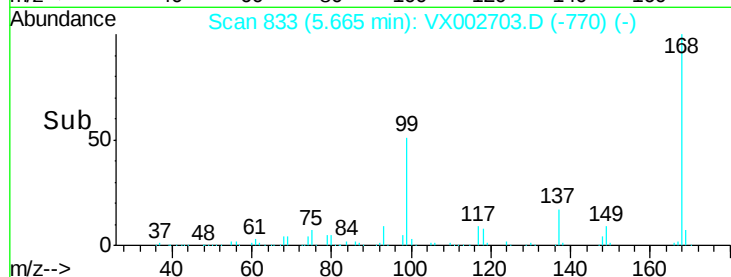
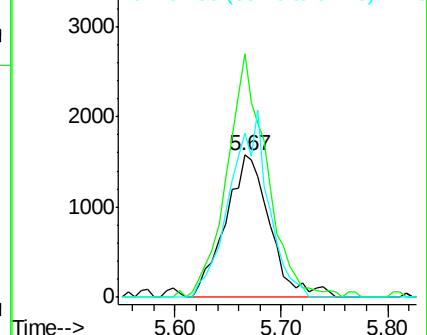
56 100

69 171.2 23.7 35.5#

84 115.1 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.71 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002703.D

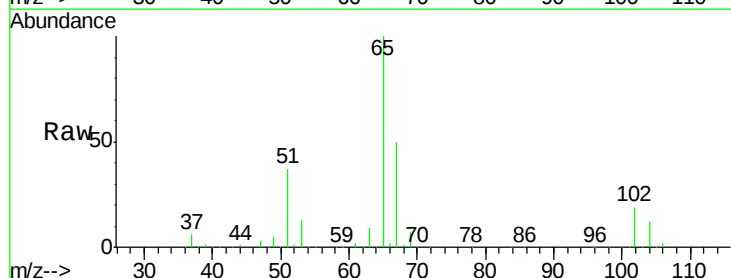
Acq: 19 Jun 2018 02:47

Tgt Ion: 65 Resp: 157408

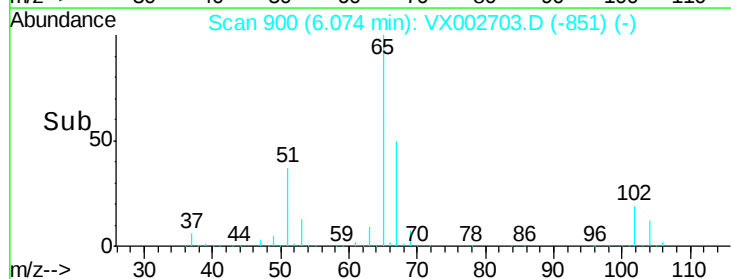
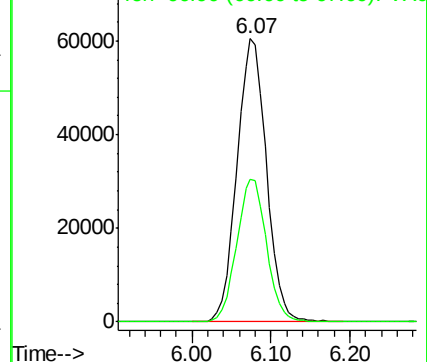
Ion Ratio Lower Upper

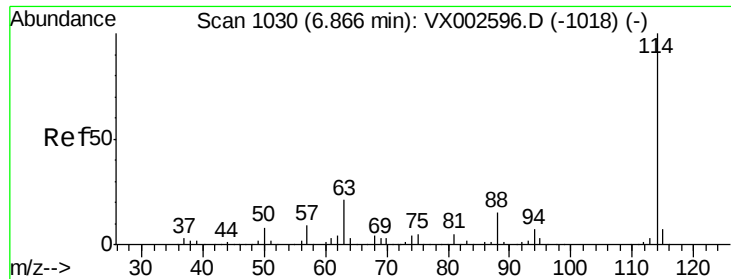
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

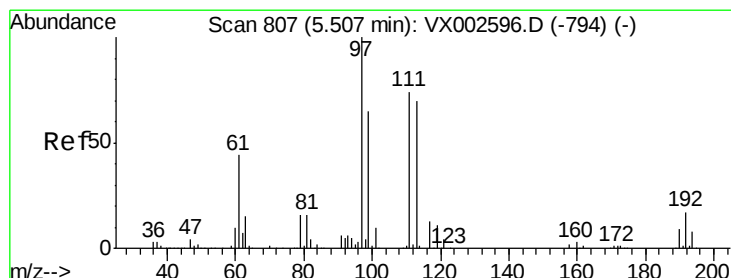
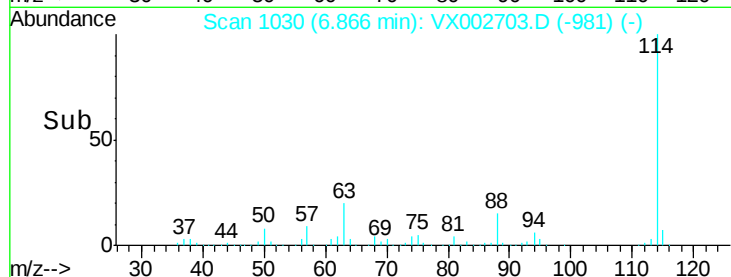
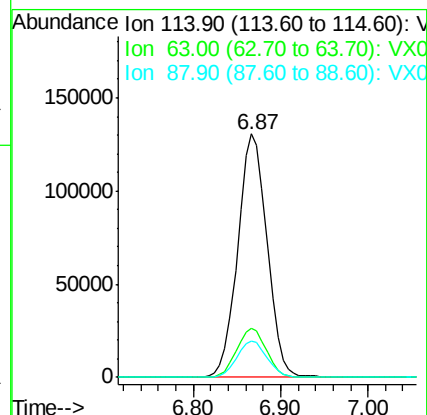
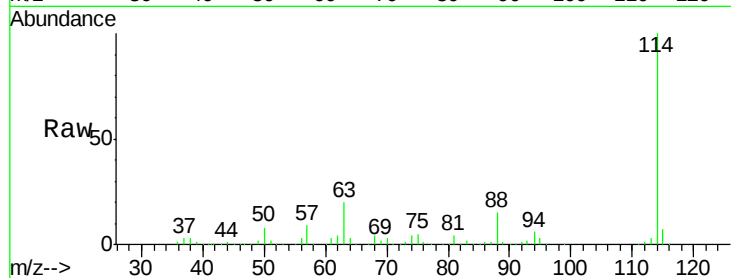




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002703.D
 Acq: 19 Jun 2018 02:47

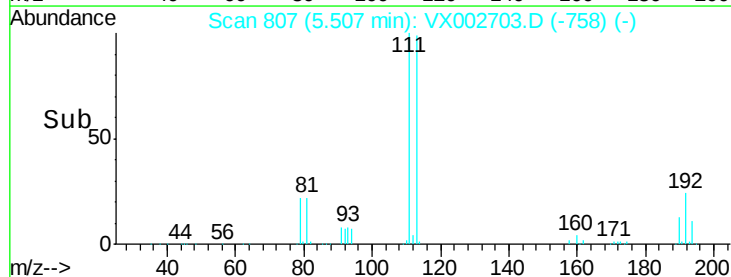
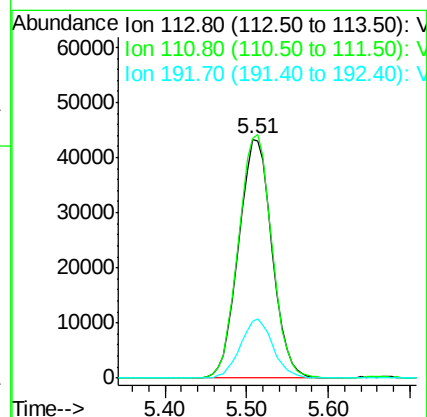
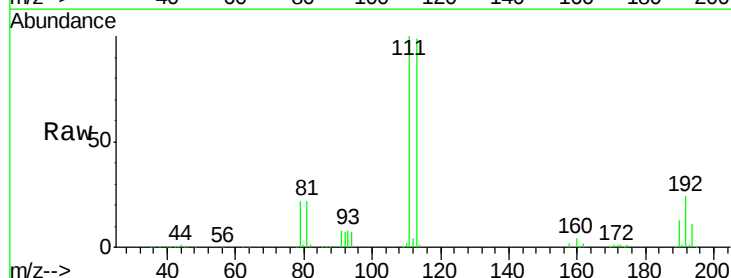
Instrument :
 MSVOA_X
 ClientSampleId :

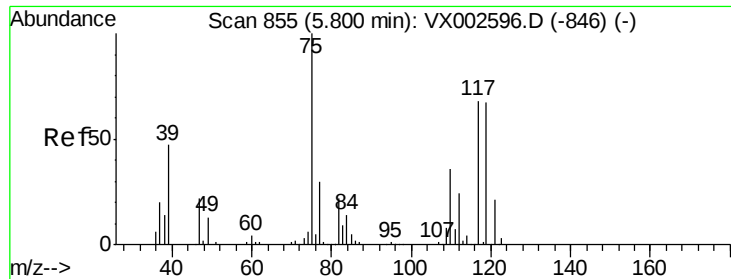
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.4
88	14.7	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 50.48 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002703.D
 Acq: 19 Jun 2018 02:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	24.1	19.1	28.7

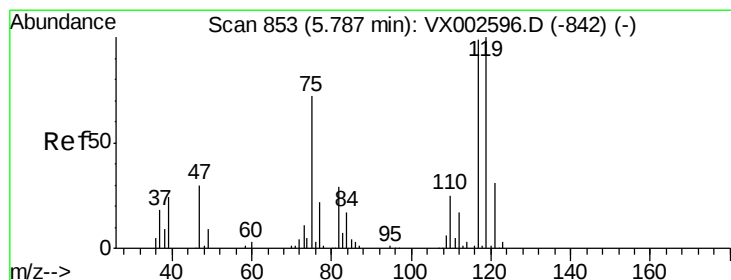
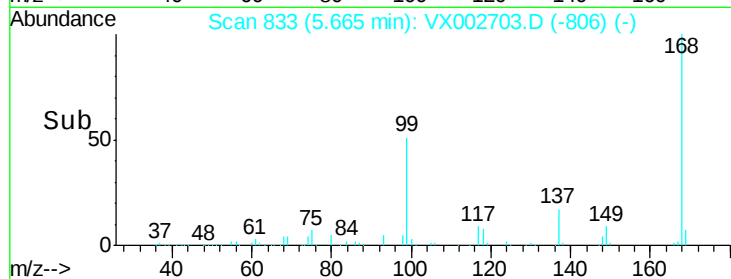
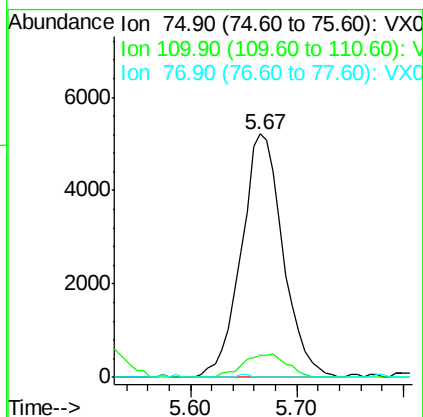
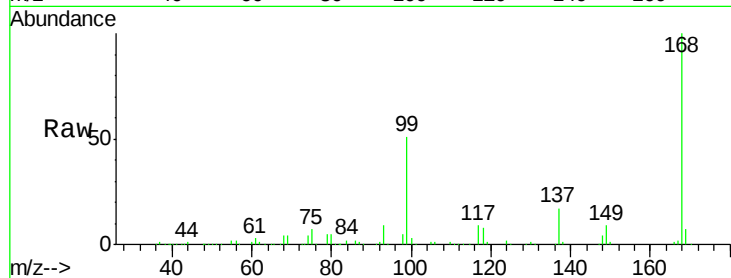




#36
 1,1-Dichloropropene
 Concen: 4.42 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002703.D
 Acq: 19 Jun 2018 02:47

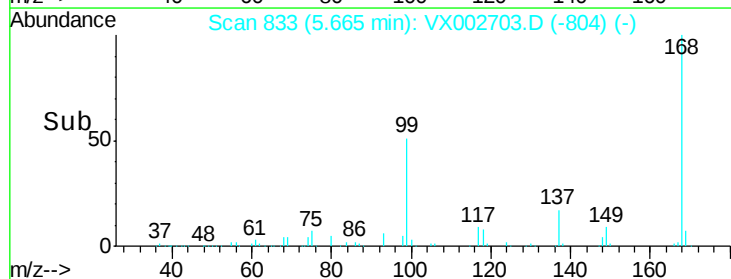
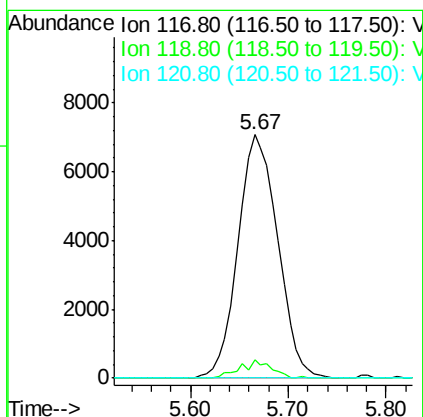
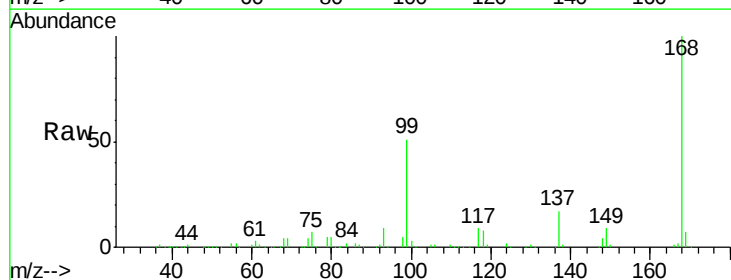
Instrument :
 MSVOA_X
 ClientSampleId :

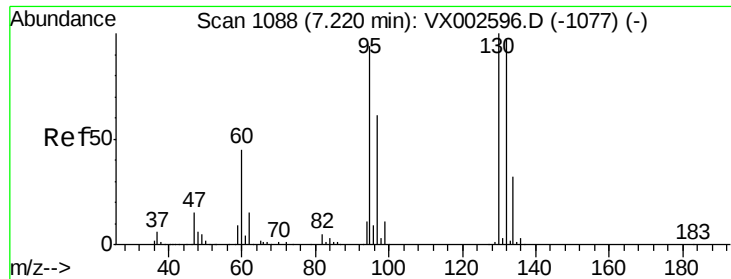
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.19 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002703.D
 Acq: 19 Jun 2018 02:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	77.4	116.0#
121	0.0	24.4	36.6#

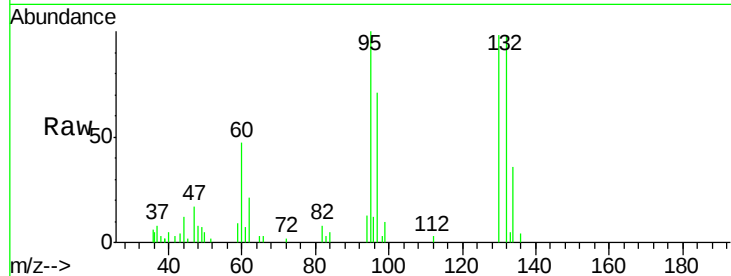




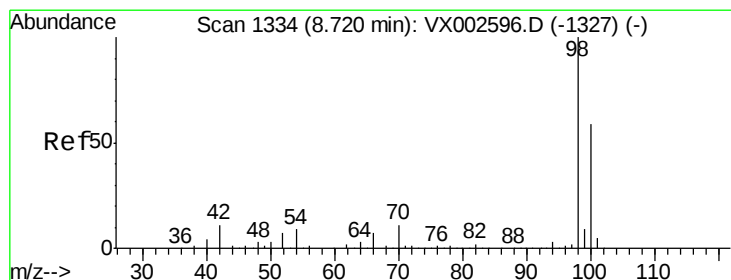
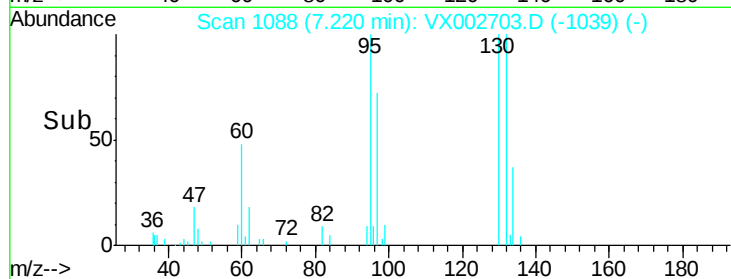
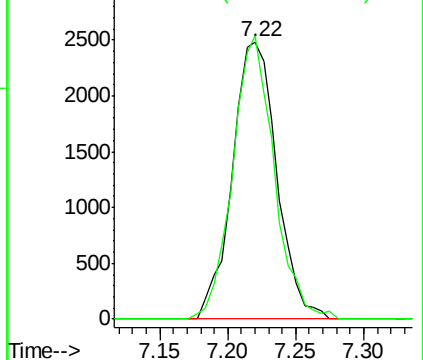
#44
 Trichloroethene
 Concen: 2.02 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002703.D
 Acq: 19 Jun 2018 02:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 5672
 Ion Ratio Lower Upper
 130 100
 95 102.1 0.0 185.4

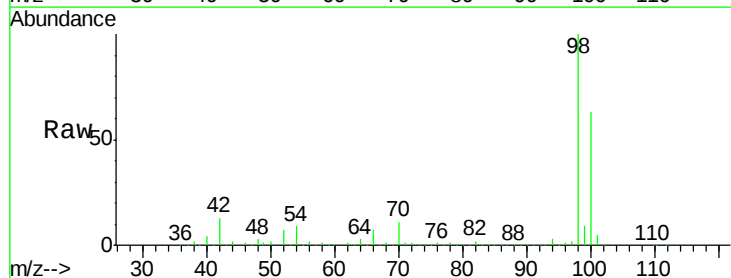


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

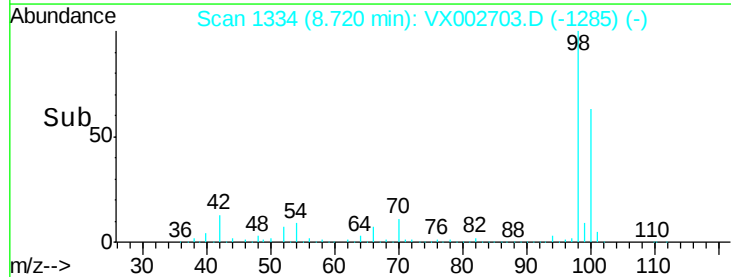
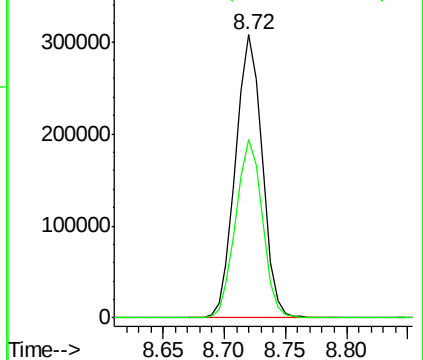


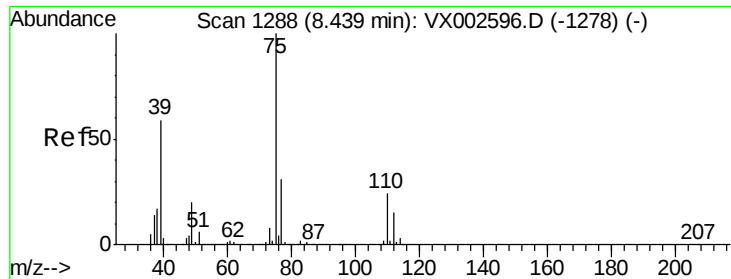
#50
 Toluene-d8
 Concen: 50.46 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002703.D
 Acq: 19 Jun 2018 02:47

Tgt Ion: 98 Resp: 466369
 Ion Ratio Lower Upper
 98 100
 100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.22 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

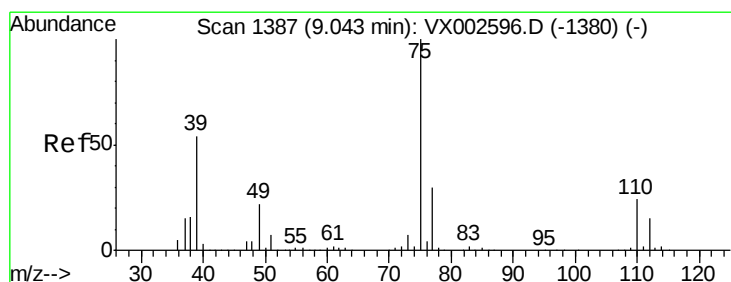
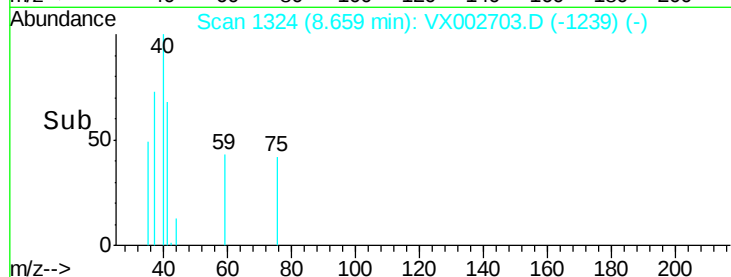
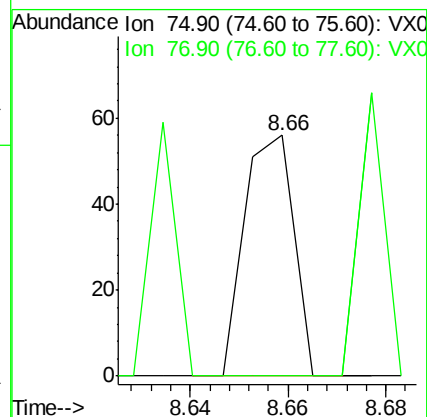
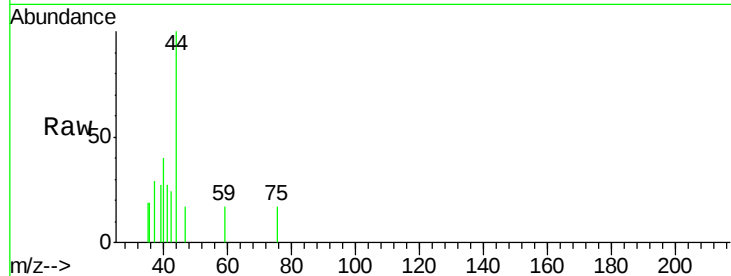
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 39

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.22 ug/l

RT: 9.00 min Scan# 1380

Delta R.T. -0.04 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

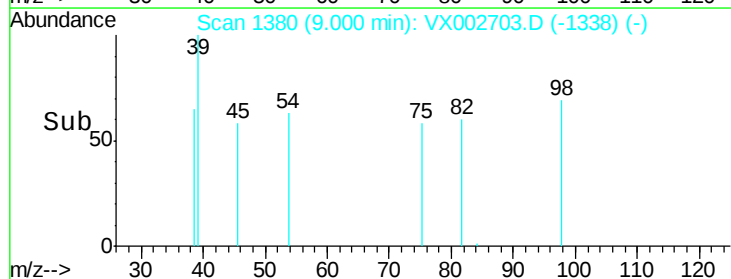
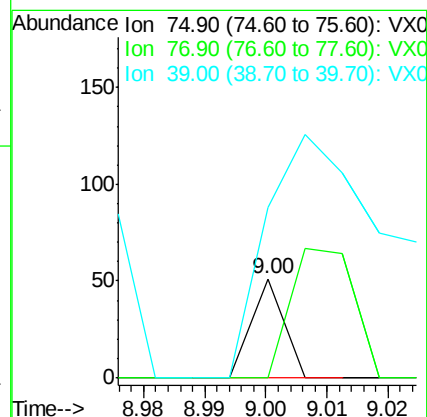
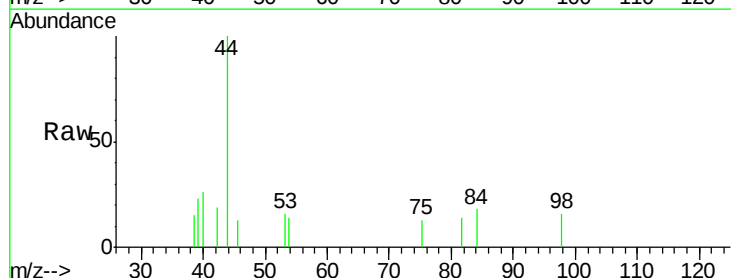
Tgt Ion: 75 Resp: 19

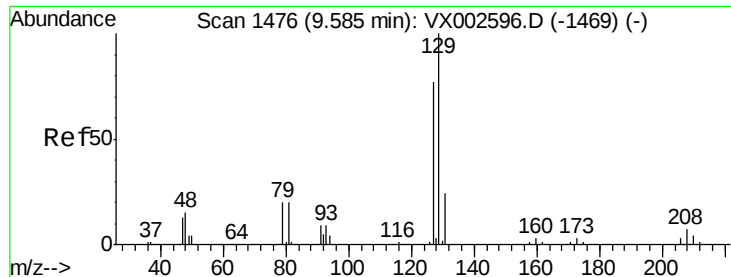
Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 172.5 42.4 63.6#

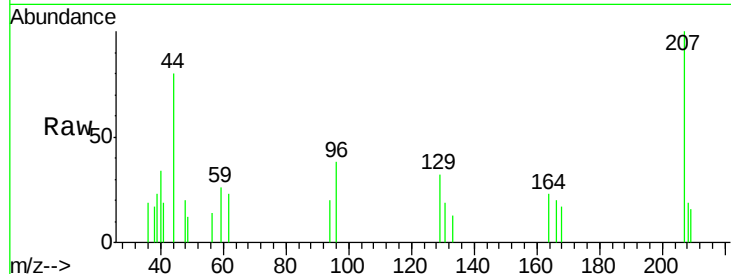




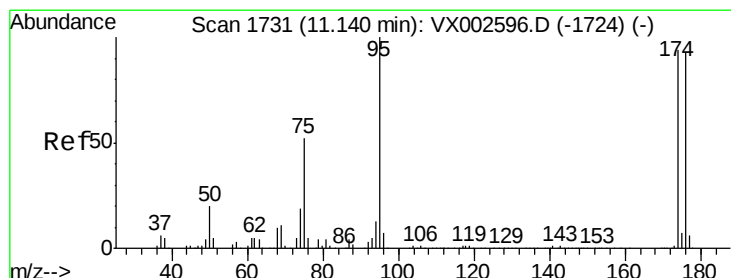
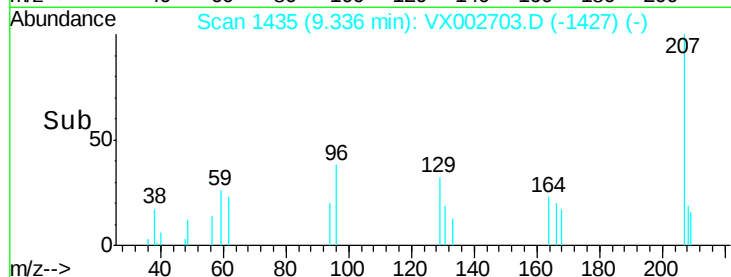
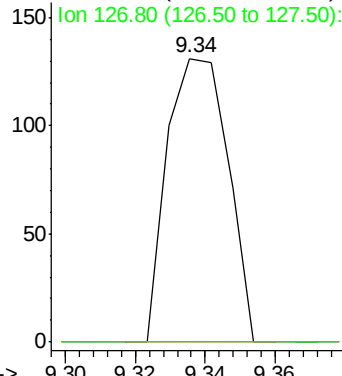
#60
Dibromochloromethane
Concen: 3.81 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002703.D
Acq: 19 Jun 2018 02:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 158
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

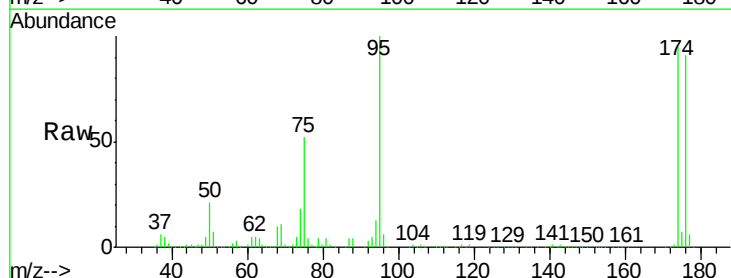


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

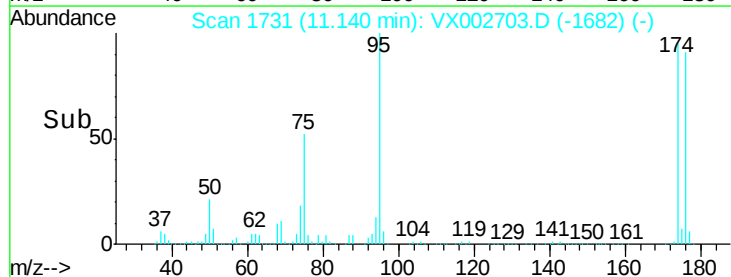
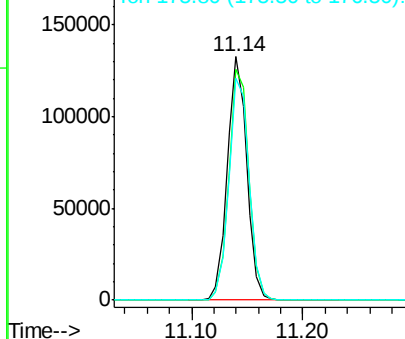


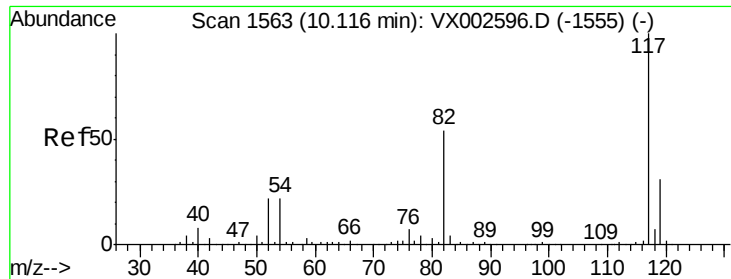
#62
4-Bromofluorobenzene
Concen: 45.66 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002703.D
Acq: 19 Jun 2018 02:47

Tgt Ion: 95 Resp: 159930
Ion Ratio Lower Upper
95 100
174 97.2 0.0 187.4
176 94.7 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: VX002703.D

Acq: 19 Jun 2018 02:47

Instrument :

MSVOA_X

ClientSampled :

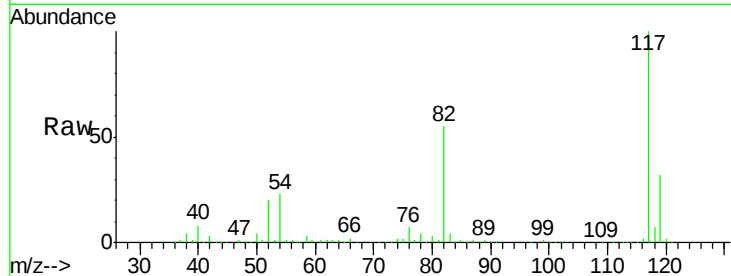
Tot Ion:117 Resp: 284432

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.4

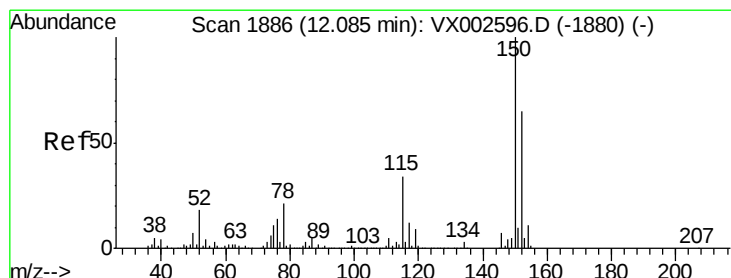
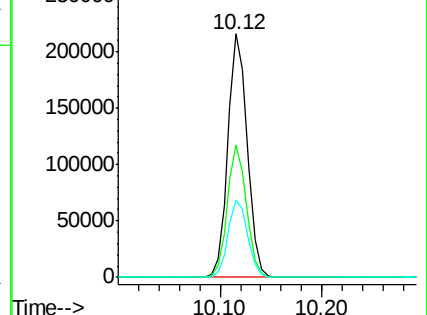
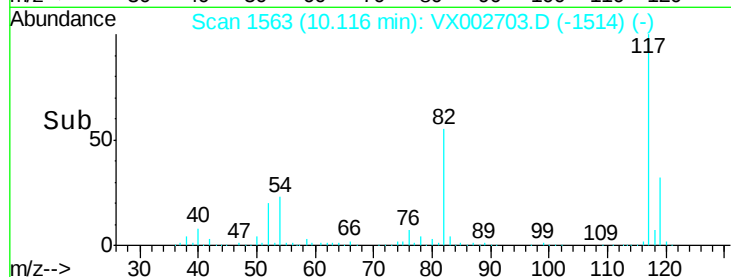
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX002703.D

Acq: 19 Jun 2018 02:47

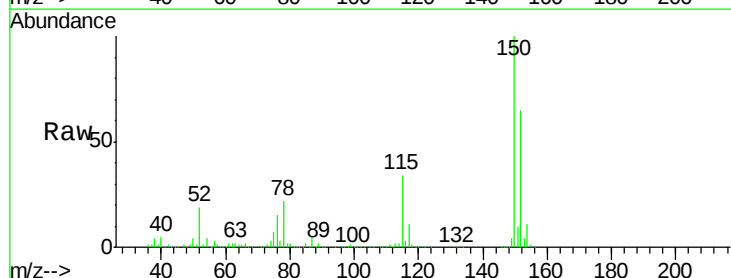
Tgt Ion:152 Resp: 157909

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

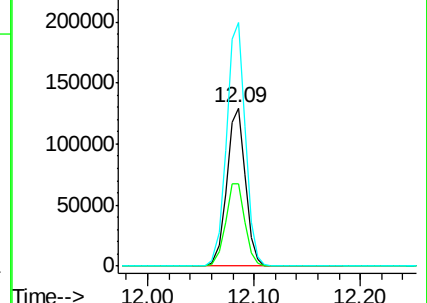
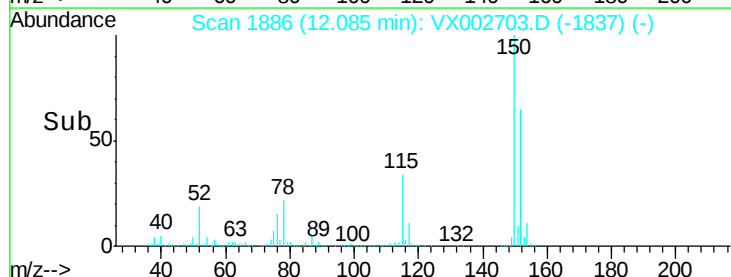
150 155.7 0.0 347.2

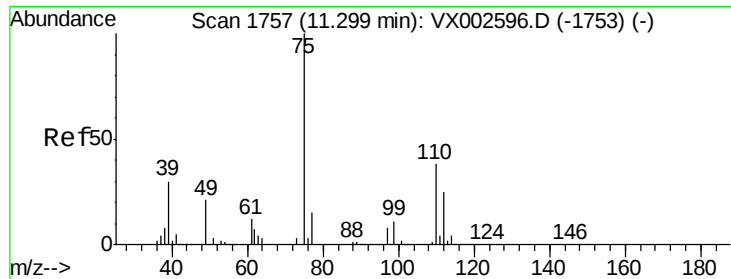


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

Instrument :

MSVOA_X

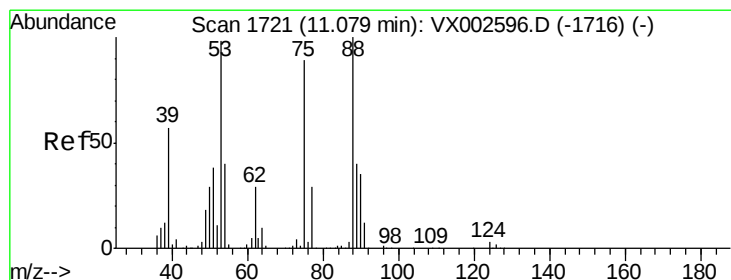
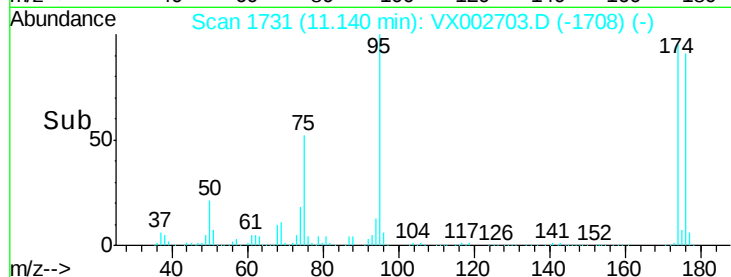
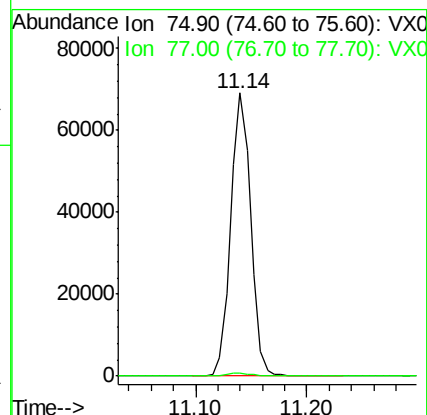
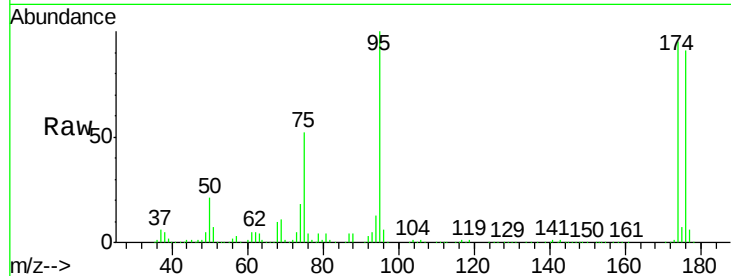
ClientSampleId :

Tot Ion: 75 Resp: 85835

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002703.D

Acq: 19 Jun 2018 02:47

Tgt Ion: 75 Resp: 85835

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

