

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000593.D
 Acq On : 31 Mar 2018 15:17
 Operator : JC/MD
 Sample : J1752-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:17:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

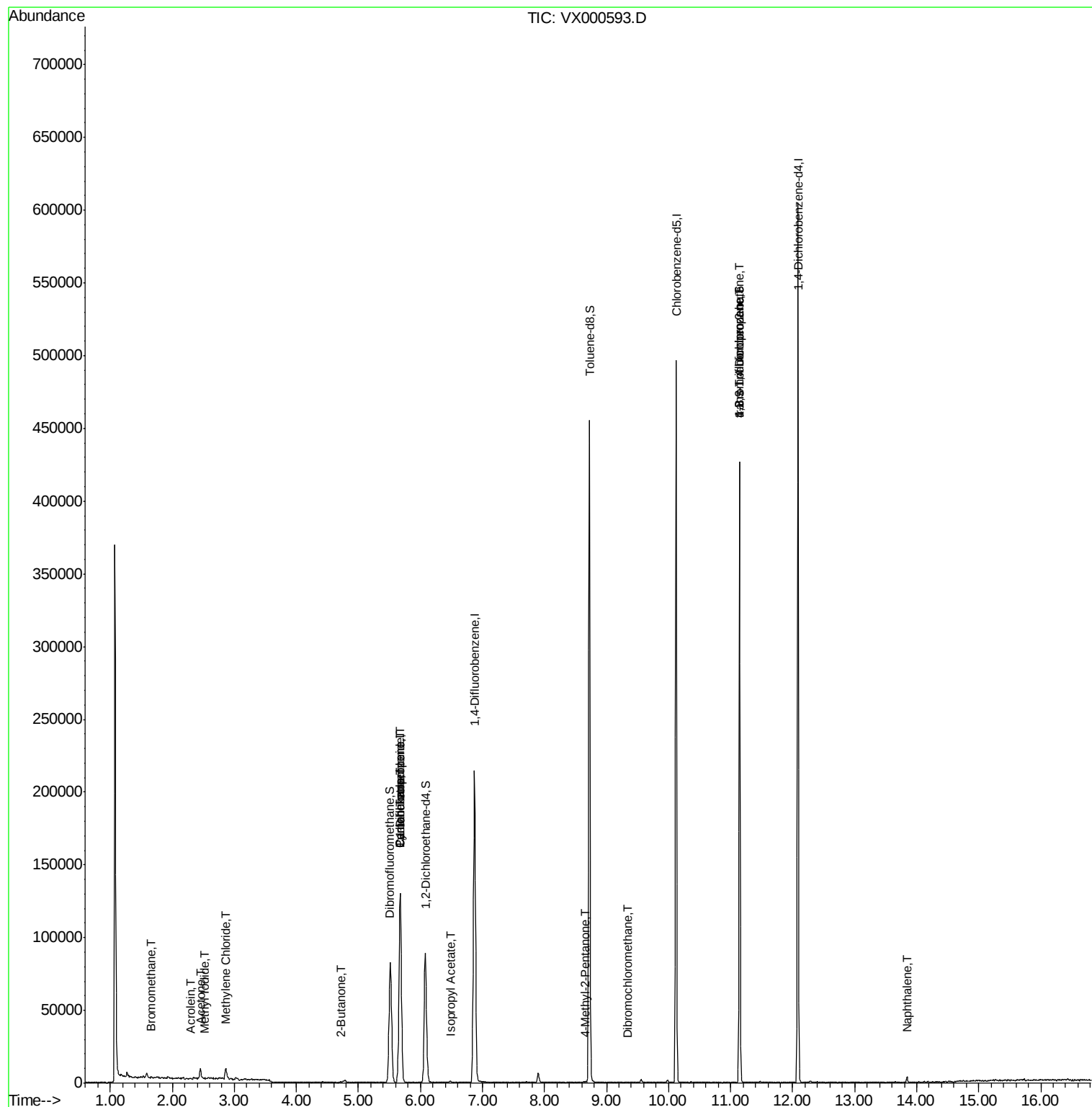
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	124282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	209984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	204426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111278	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	82559	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	5.51	113	65180	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	8.73	98	263379	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.15	95	94121	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	312	0.217	ug/l	80
6) Chloroethane	1.70	64	125	Below Cal	#	44
10) Methyl Iodide	2.53	142	259	4.432	ug/l #	74
13) Acrolein	2.30	56	71	14.953	ug/l	95
14) Allyl chloride	2.74	41	185	Below Cal	#	42
16) Acetone	2.45	43	7590	5.624	ug/l	96
20) Methylene Chloride	2.86	84	3073	1.971	ug/l	92
25) 2-Butanone	4.71	43	523	0.345	ug/l #	49
31) Cyclohexane	5.68	56	2877	1.406	ug/l #	10
36) 1,1-Dichloropropene	5.67	75	9550	4.855	ug/l #	51
38) Carbon Tetrachloride	5.67	117	12361	5.990	ug/l #	15
43) Isopropyl Acetate	6.48	43	1240	0.310	ug/l #	88
51) 4-Methyl-2-Pentanone	8.66	43	635	0.205	ug/l	90
60) Dibromochloromethane	9.35	129	19	4.126	ug/l #	12
74) N-amyl acetate	6.48	43	1240	Below Cal	#	84
76) 1,2,3-Trichloropropane	11.15	75	54030	22.593	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	54030	73.145	ug/l #	9
95) Naphthalene	13.85	128	2409	0.265	ug/l	98

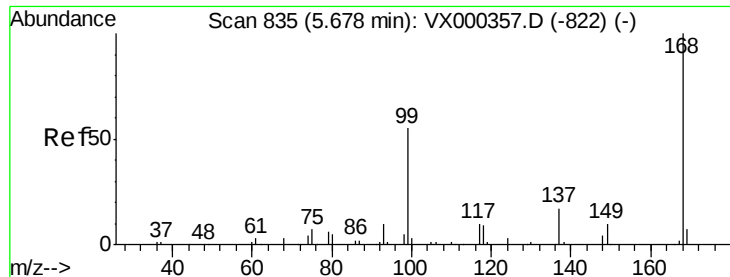
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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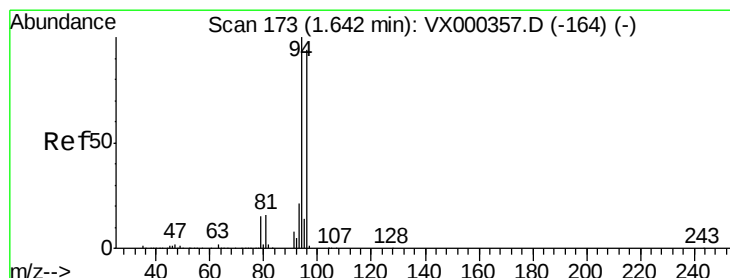
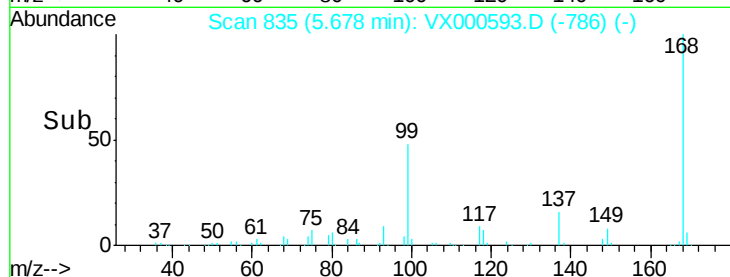
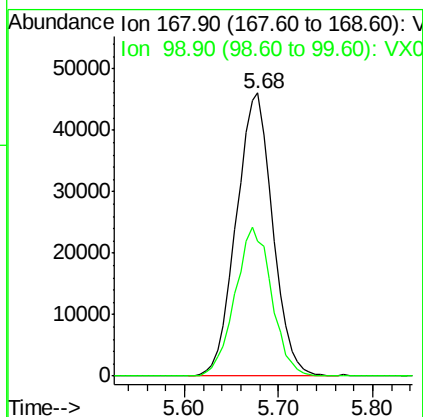
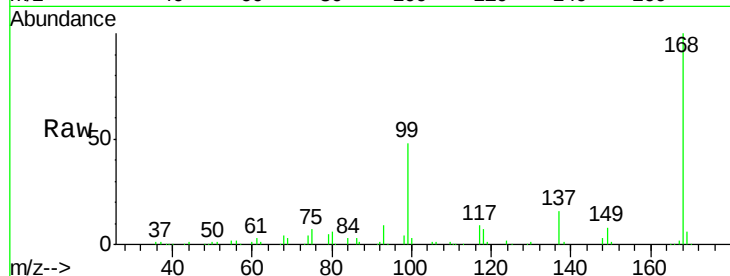




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

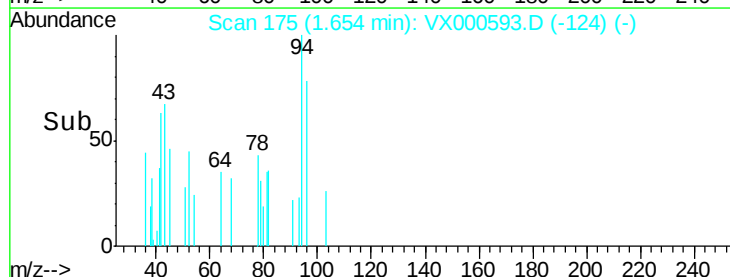
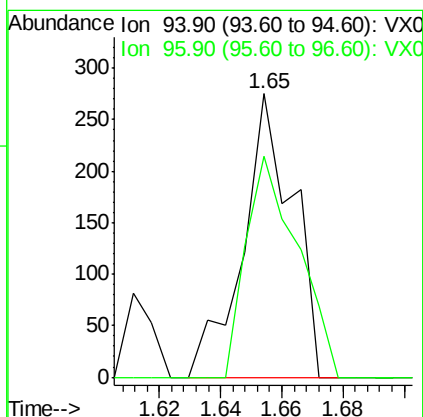
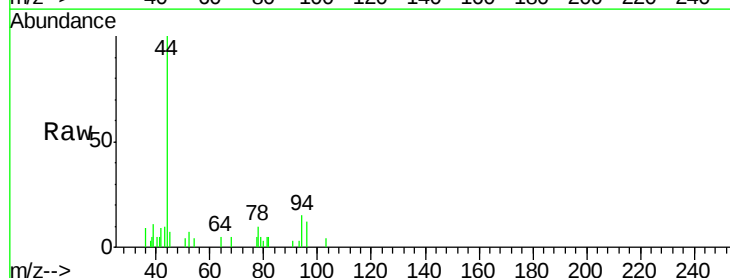
Instrument :
MSVOA_X
ClientSampleId :

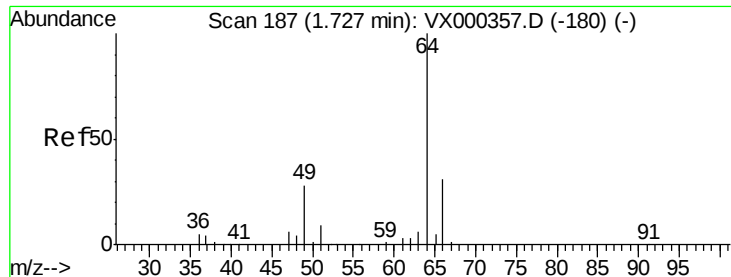
Tot Ion:168 Resp: 124282
Ion Ratio Lower Upper
168 100
99 47.8 45.8 68.6



#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.65 min Scan# 175
Delta R.T. 0.01 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 77.8 77.7 116.5





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

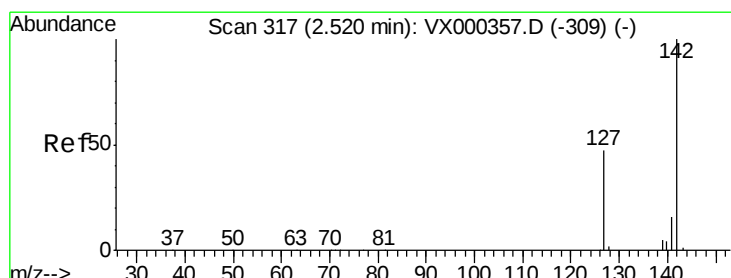
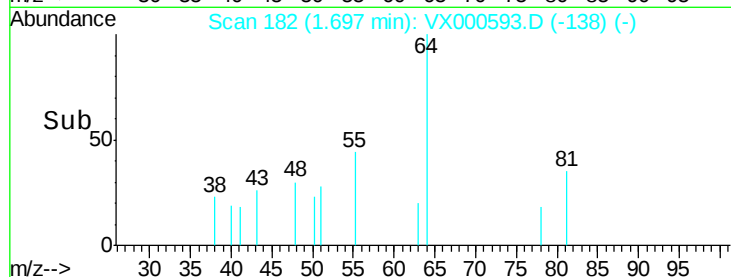
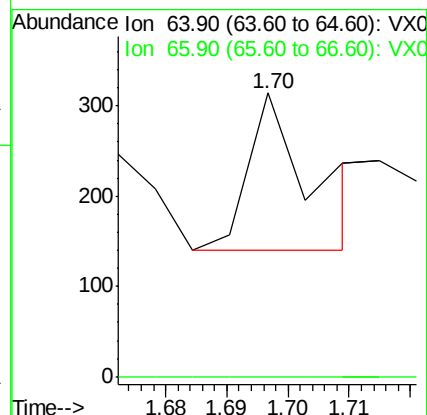
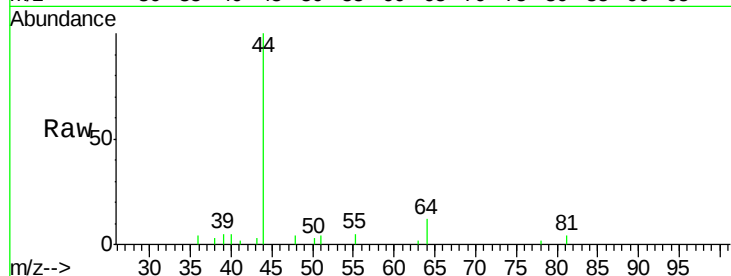
ClientSampleId :

Tot Ion: 64 Resp: 125

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.432 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

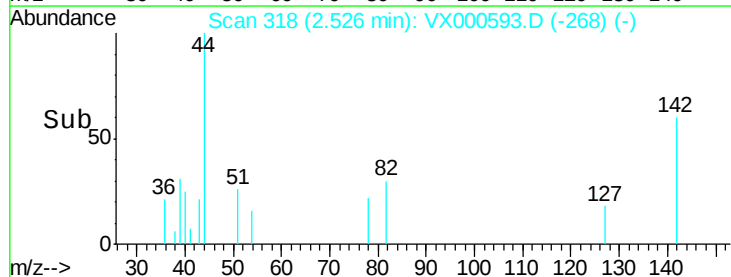
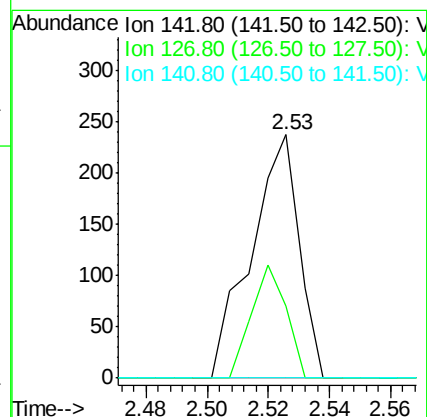
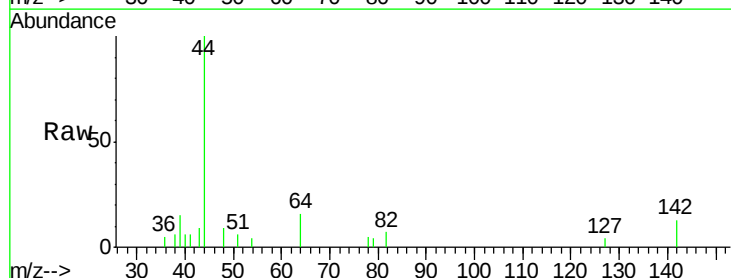
Tgt Ion: 142 Resp: 259

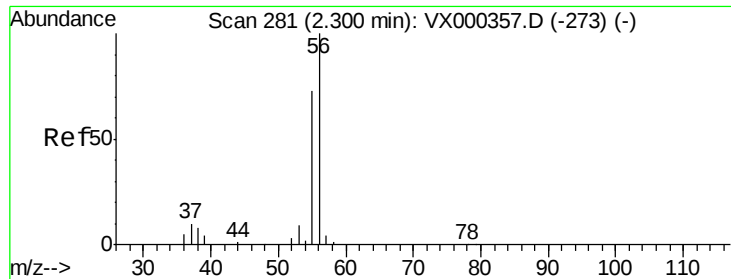
Ion Ratio Lower Upper

142 100

127 33.6 39.2 58.8#

141 0.0 11.7 17.5#





#13

Acrolein

Concen: 14.953 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

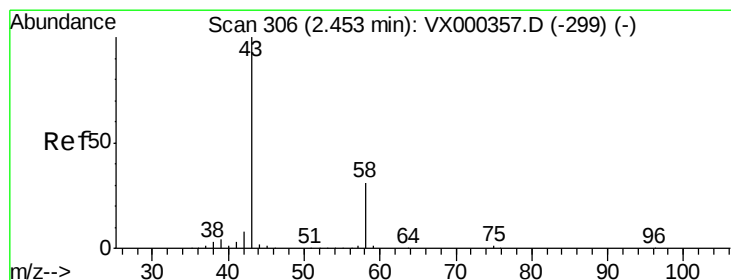
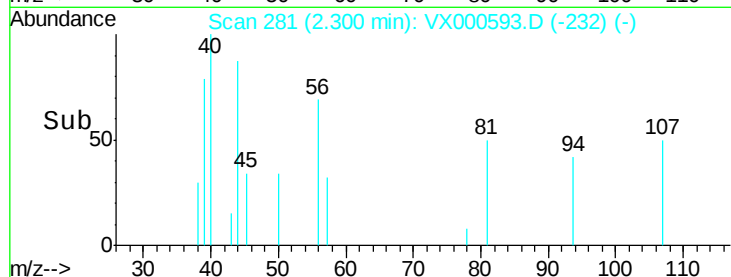
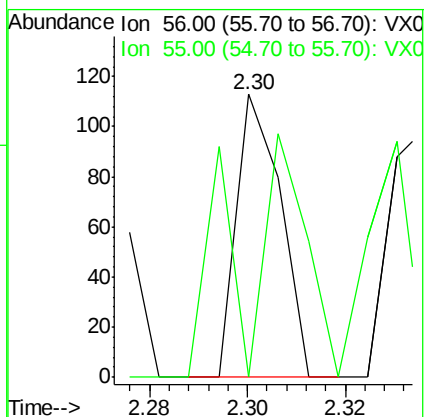
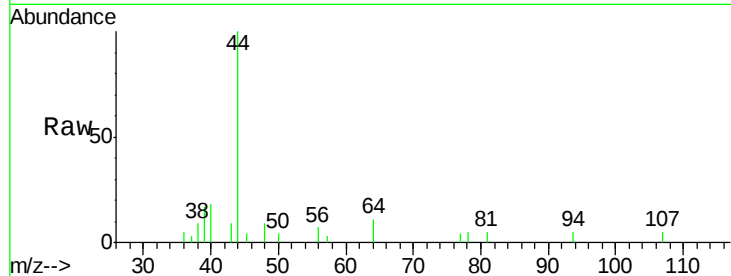
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 77.5 58.8 88.2



#16

Acetone

Concen: 5.624 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000593.D

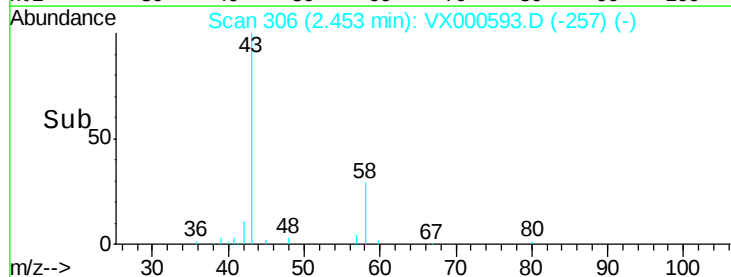
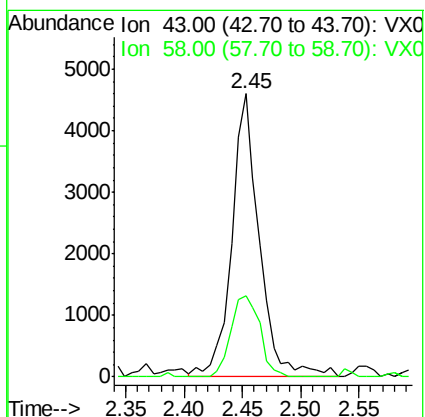
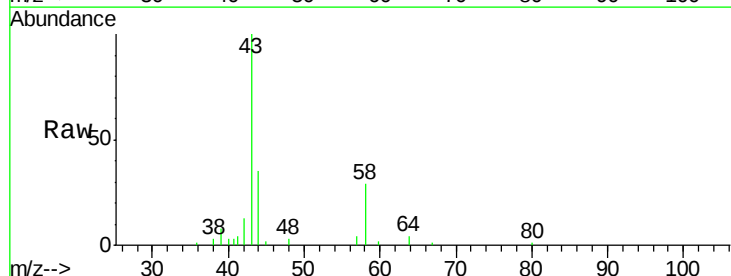
Acq: 31 Mar 2018 15:17

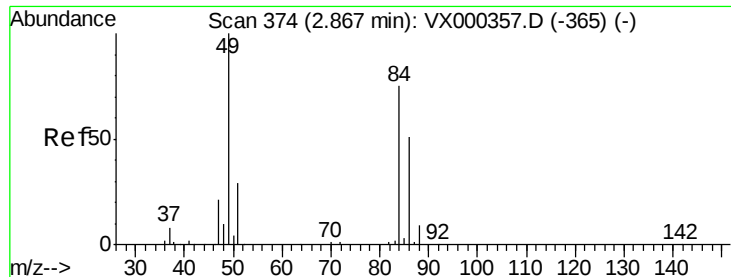
Tgt Ion: 43 Resp: 7590

Ion Ratio Lower Upper

43 100

58 28.7 24.7 37.1

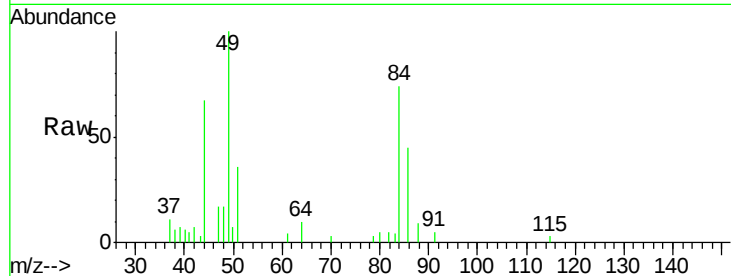




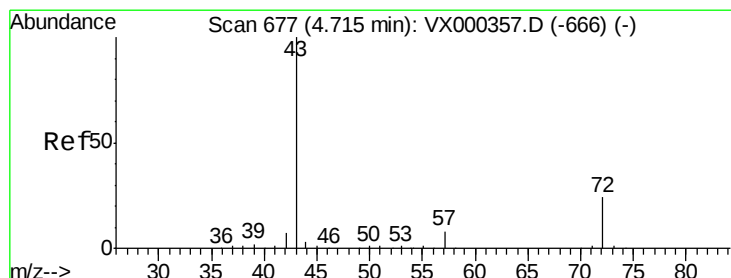
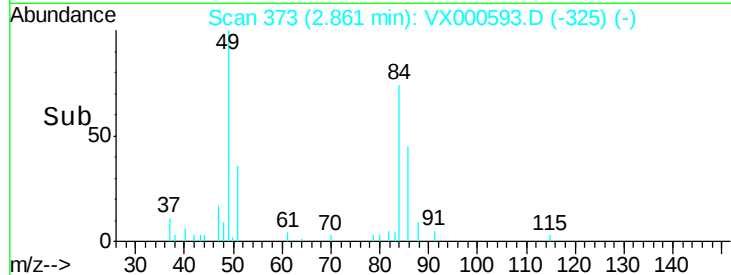
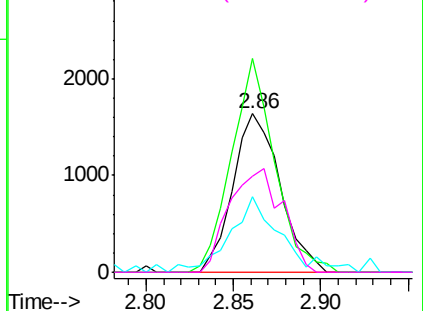
#20
Methvlene Chloride
Concen: 1.971 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 3073
Ion Ratio Lower Upper
84 100
49 135.0 100.6 151.0
51 45.0 31.6 47.4
86 60.5 52.6 78.8

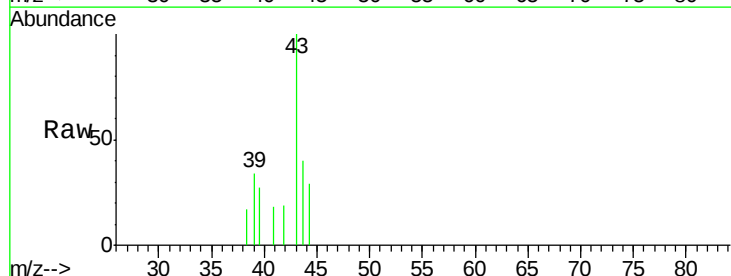


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

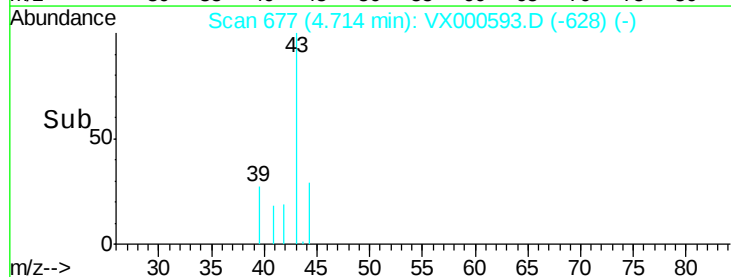
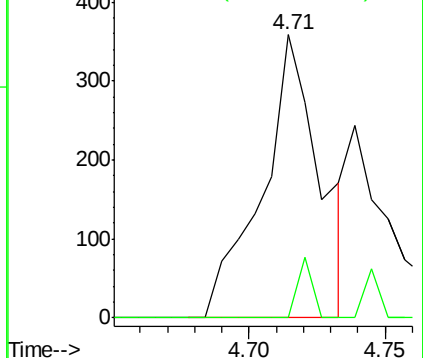


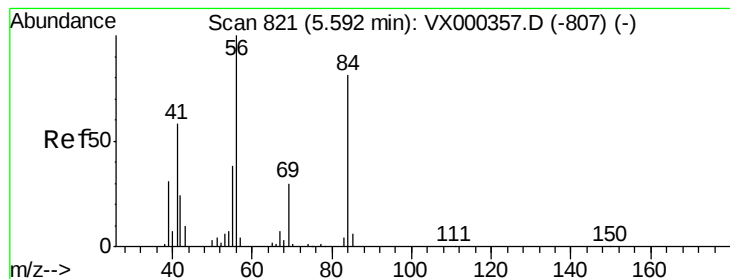
#25
2-Butanone
Concen: 0.345 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



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





#31

Cyclohexane

Concen: 1.406 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

ClientSampleId :

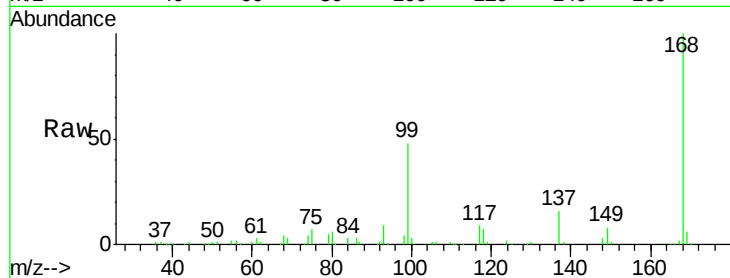
Tot Ion: 56 Resp: 2877

Ion Ratio Lower Upper

56 100

69 121.2 23.4 35.0#

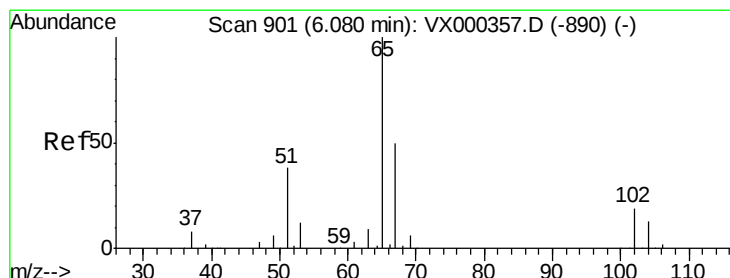
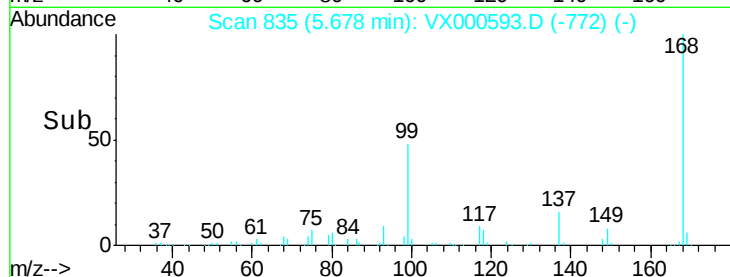
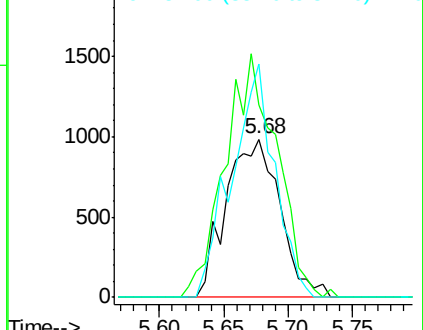
84 147.8 71.0 106.4#



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: 50.890 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000593.D

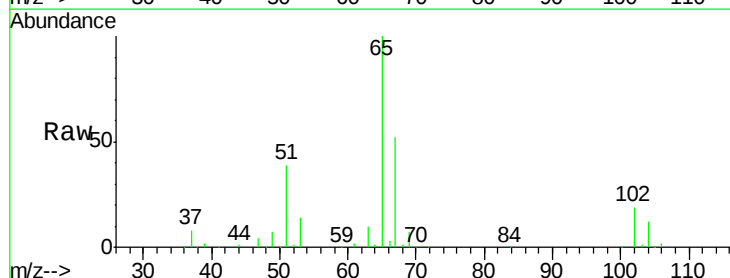
Acq: 31 Mar 2018 15:17

Tgt Ion: 65 Resp: 82559

Ion Ratio Lower Upper

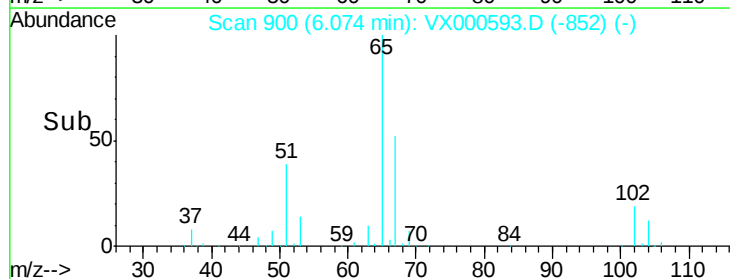
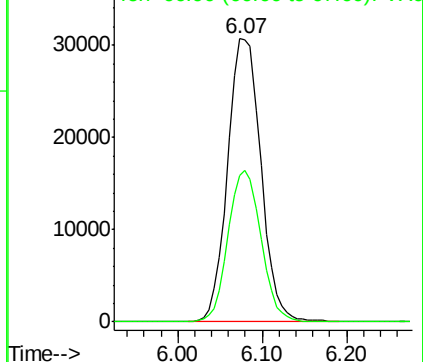
65 100

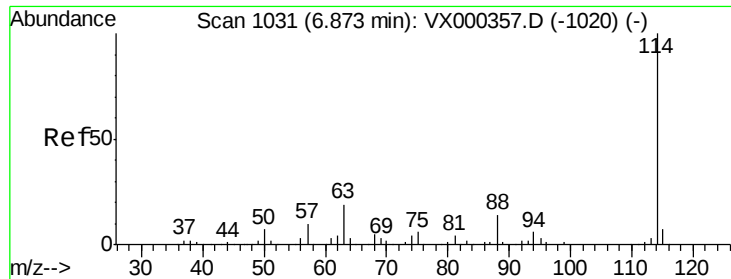
67 52.8 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

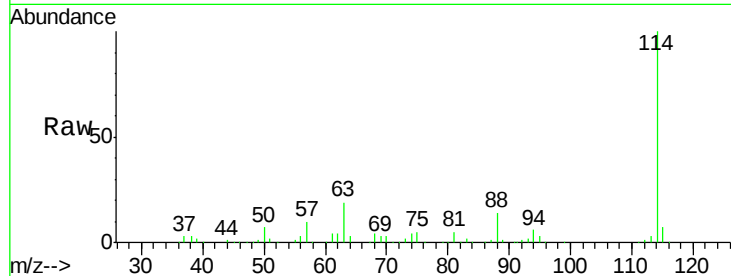




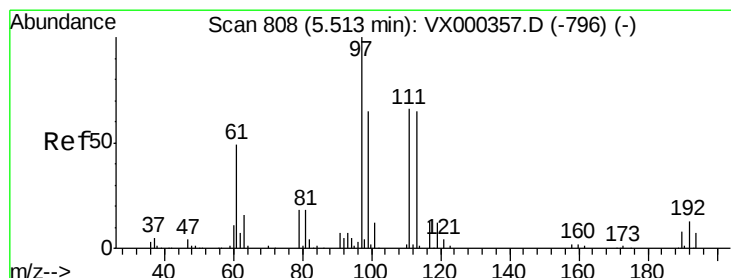
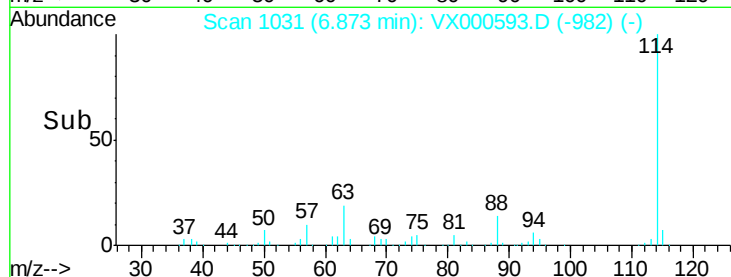
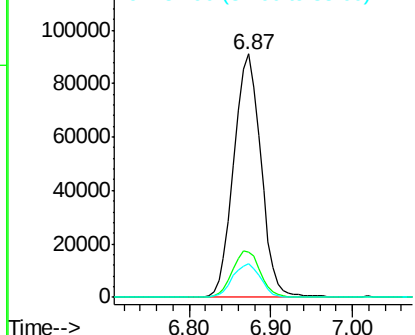
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 209984
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.4
88 13.8 0.0 27.0

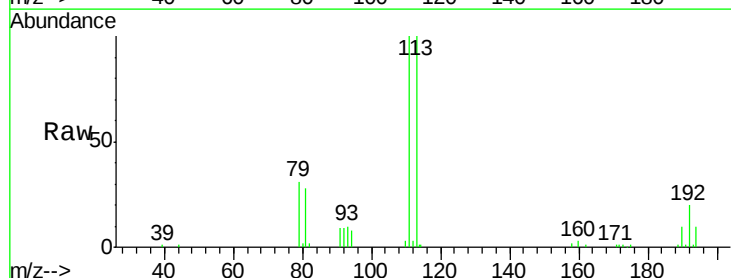


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

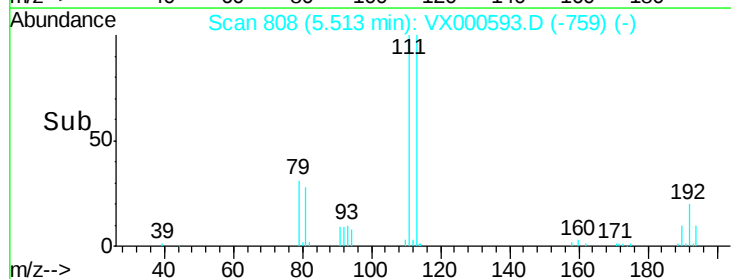
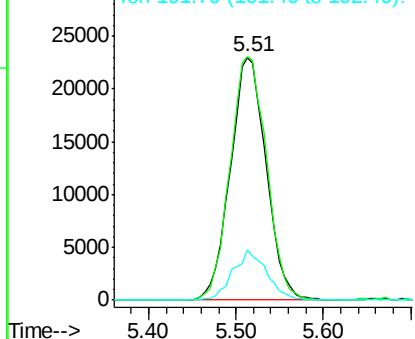


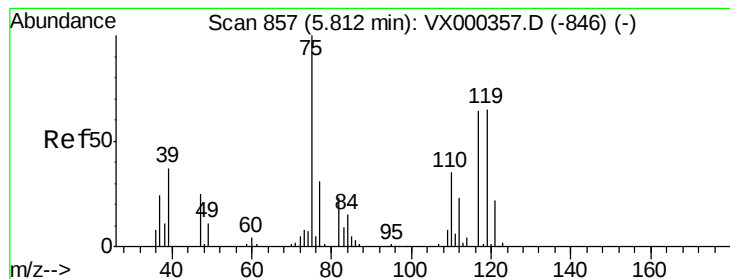
#35
Dibromofluoromethane
Concen: 49.264 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

Tgt Ion:113 Resp: 65180
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 19.3 15.8 23.6



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: 4.855 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

ClientSampleId :

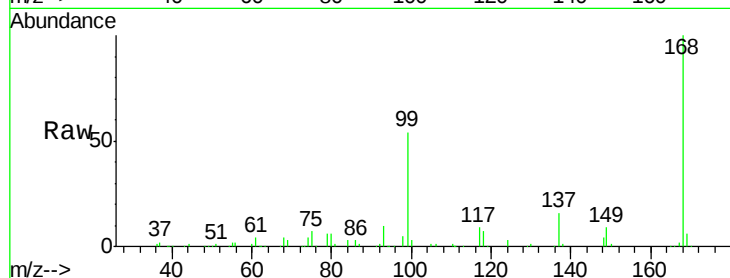
Tot Ion: 75 Resp: 9550

Ion Ratio Lower Upper

75 100

110 10.0 17.9 53.7#

77 0.0 24.0 36.0#

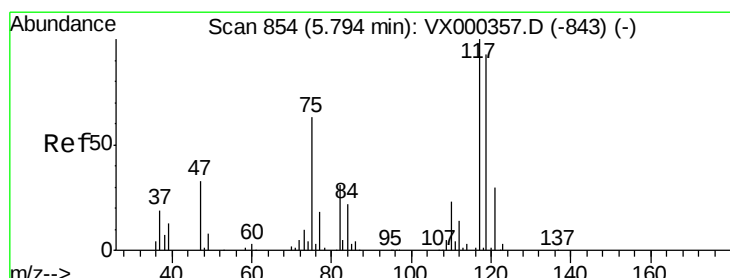
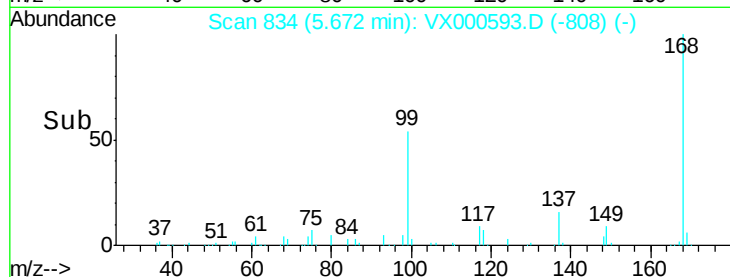


Abundance Ion 74.90 (74.60 to 75.60): VX000357.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000357.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000357.D (-846) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

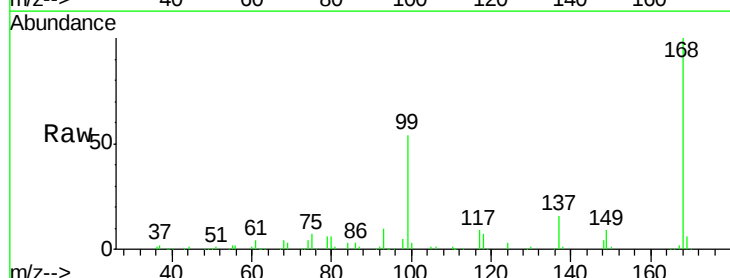
Tgt Ion: 117 Resp: 12361

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.2#

121 0.0 24.8 37.2#

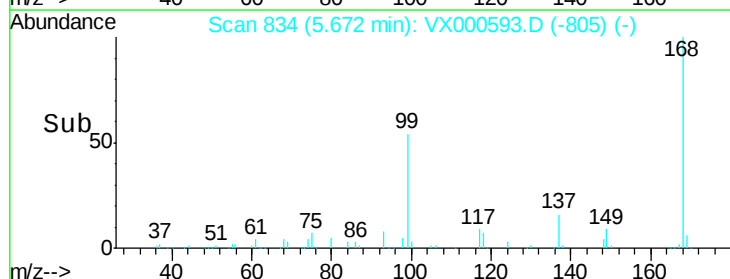


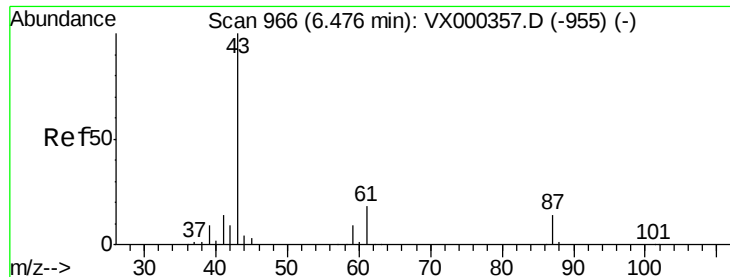
Abundance Ion 116.80 (116.50 to 117.50): VX000357.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000357.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000357.D (-843) (-)

Time-->





#43

Isopropyl Acetate

Concen: 0.310 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

ClientSampleId :

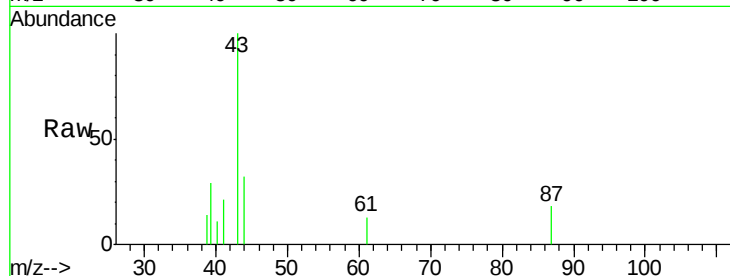
Tot Ion: 43 Resp: 1240

Ion Ratio Lower Upper

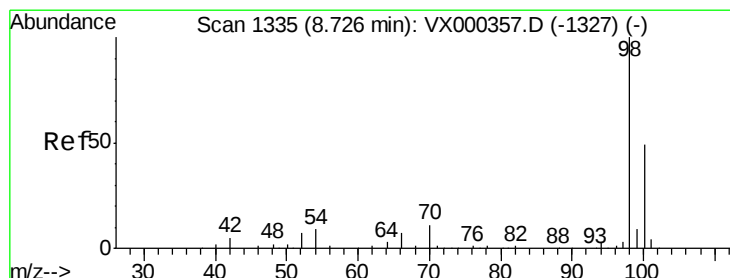
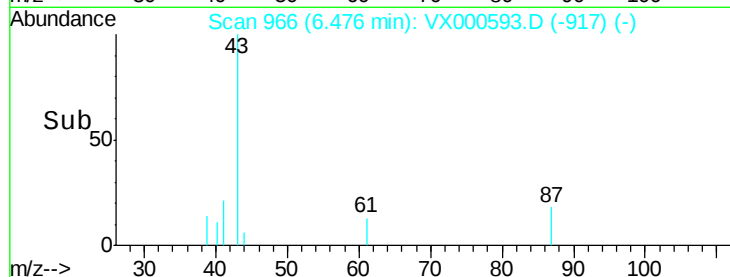
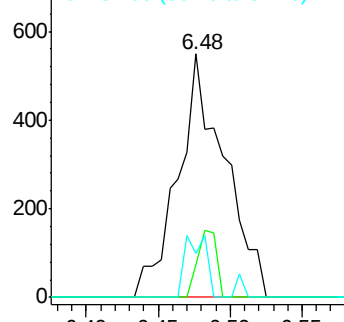
43 100

61 11.0 14.4 21.6#

87 11.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.064 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000593.D

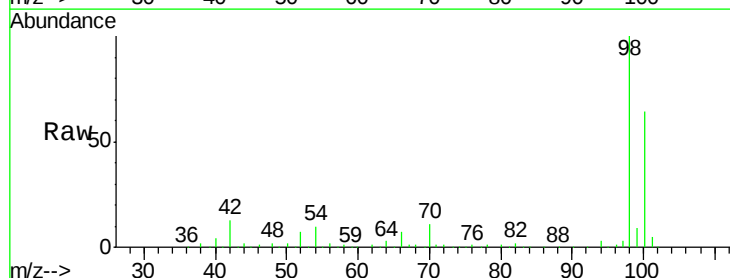
Acq: 31 Mar 2018 15:17

Tgt Ion: 98 Resp: 263379

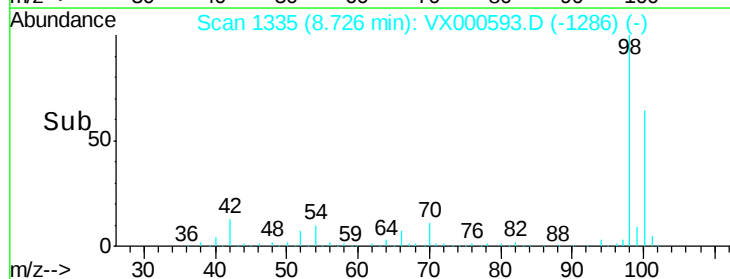
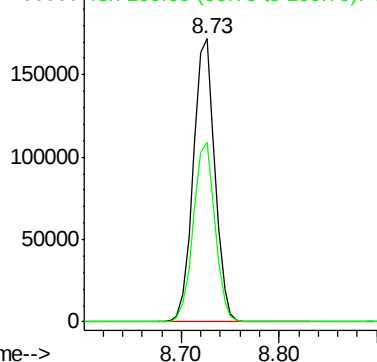
Ion Ratio Lower Upper

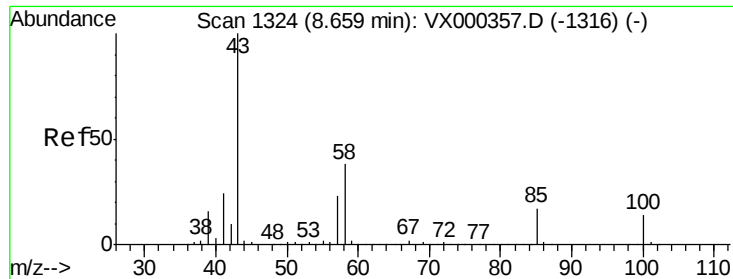
98 100

100 63.8 51.2 76.8



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

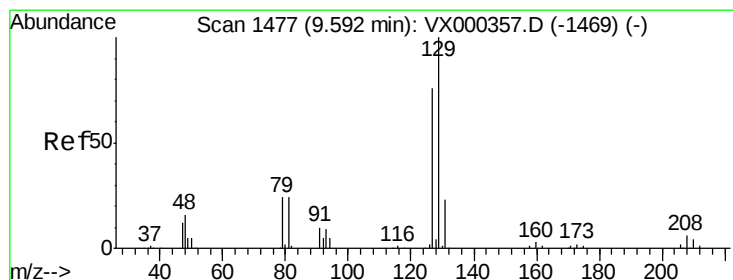
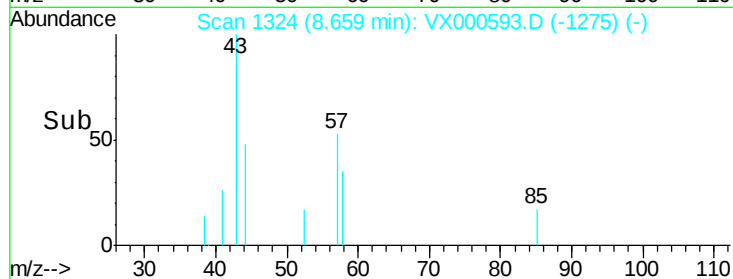
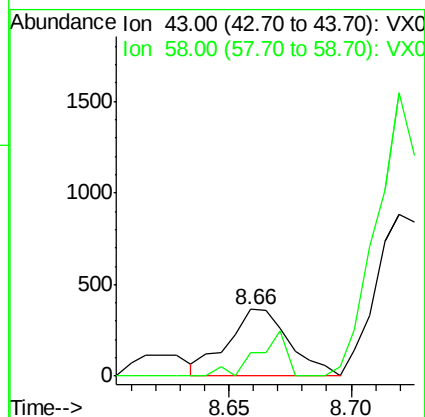
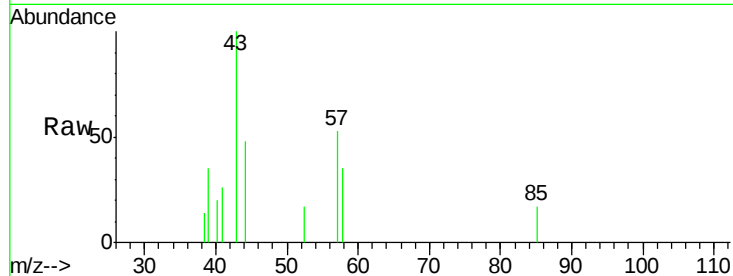




#51
 4-Methyl-2-Pentanone
 Concen: 0.205 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX000593.D
 Acq: 31 Mar 2018 15:17

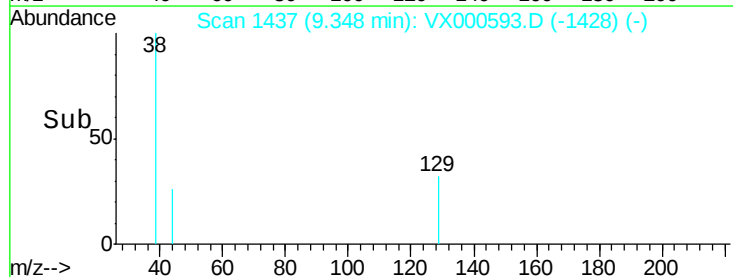
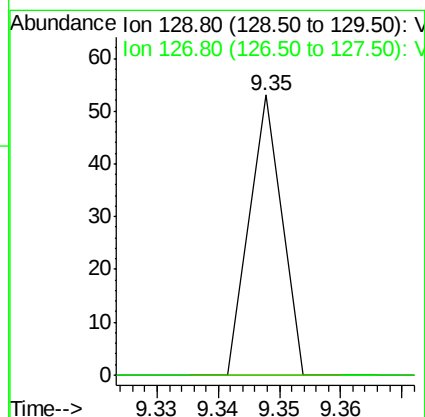
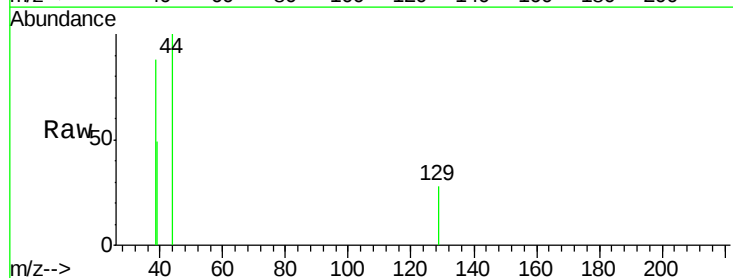
Instrument :
 MSVOA_X
 ClientSampleID :

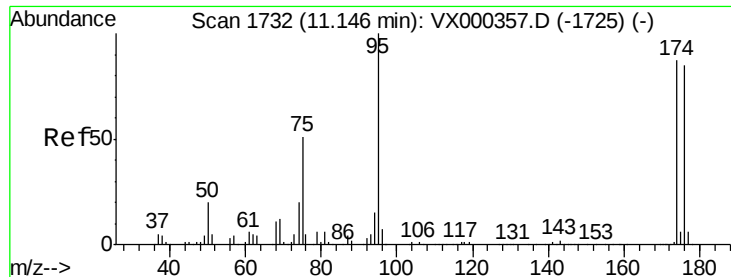
Tot Ion: 43 Resp: 635
 Ion Ratio Lower Upper
 43 100
 58 32.1 30.3 45.5



#60
 Dibromochloromethane
 Concen: 4.126 ug/l
 RT: 9.35 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: VX000593.D
 Acq: 31 Mar 2018 15:17

Tgt Ion: 129 Resp: 19
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.9 113.6#





#62

4-Bromofluorobenzene

Concen: 41.802 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

ClientSampleId :

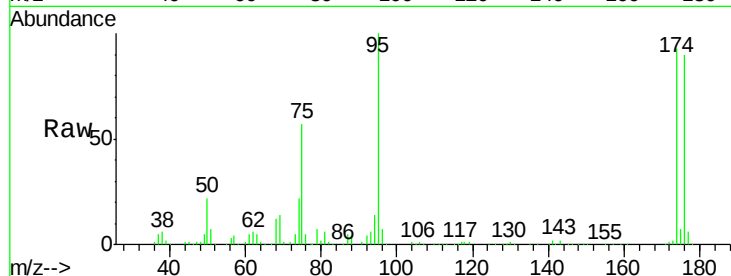
Tot Ion: 95 Resp: 94121

Ion Ratio Lower Upper

95 100

174 90.2 0.0 173.6

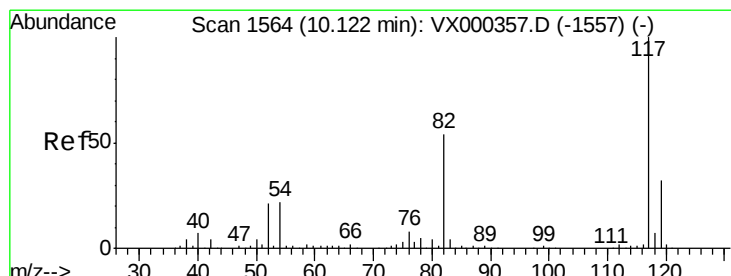
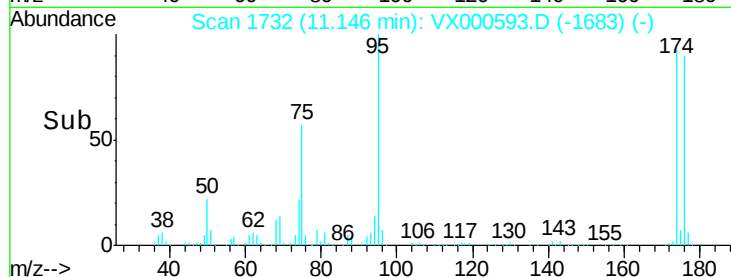
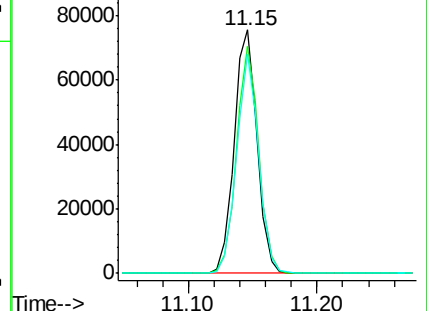
176 86.3 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000593.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000593.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000593.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

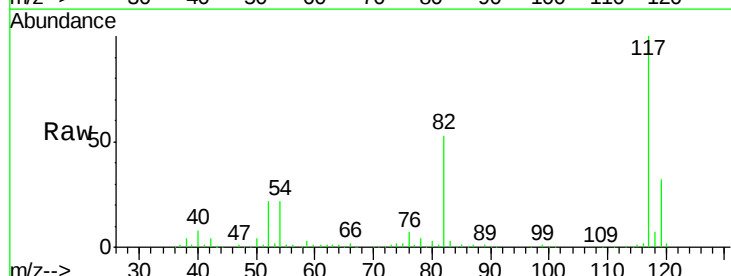
Tgt Ion: 117 Resp: 204426

Ion Ratio Lower Upper

117 100

82 52.7 43.8 65.8

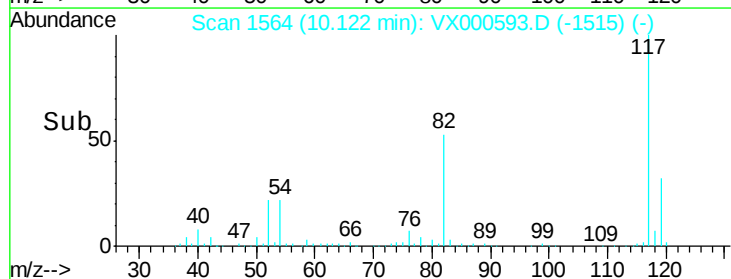
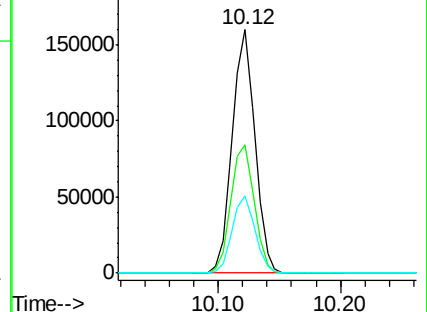
119 31.9 24.9 37.3

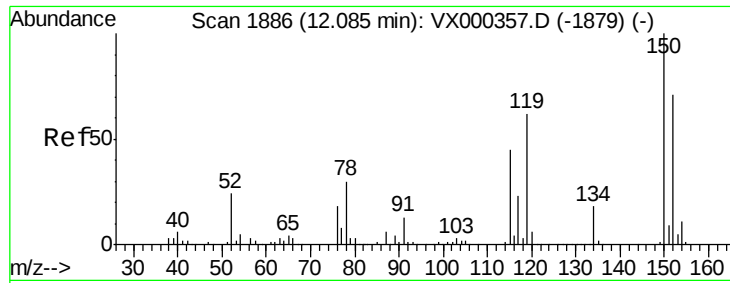


Abundance Ion 116.90 (116.60 to 117.60): VX000593.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000593.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000593.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

ClientSampleId :

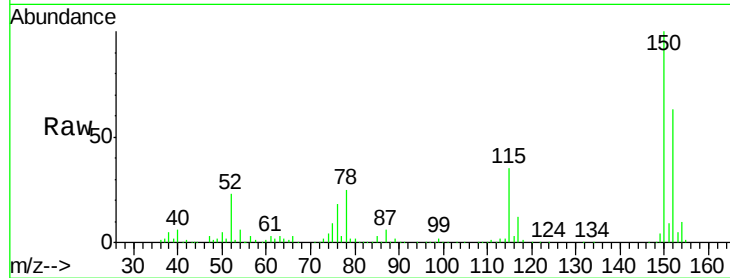
Tot Ion:152 Resp: 111278

Ion Ratio Lower Upper

152 100

115 57.3 39.8 119.3

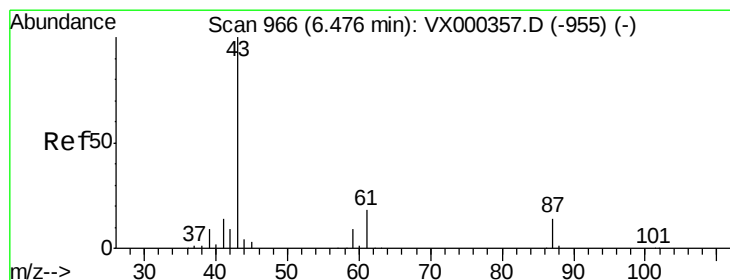
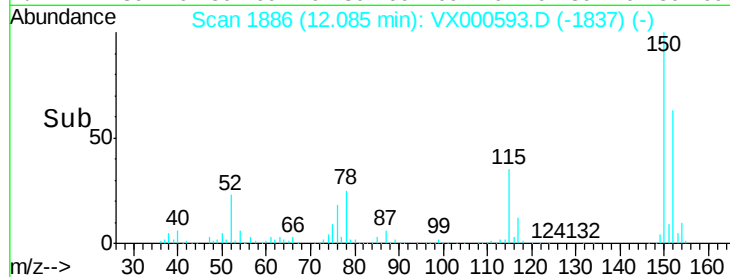
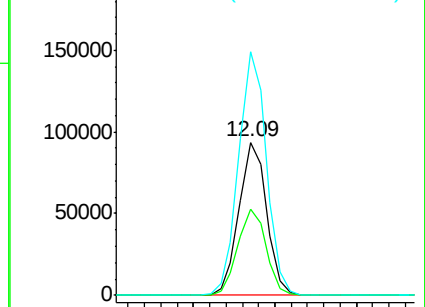
150 159.5 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Tgt Ion: 43 Resp: 1240

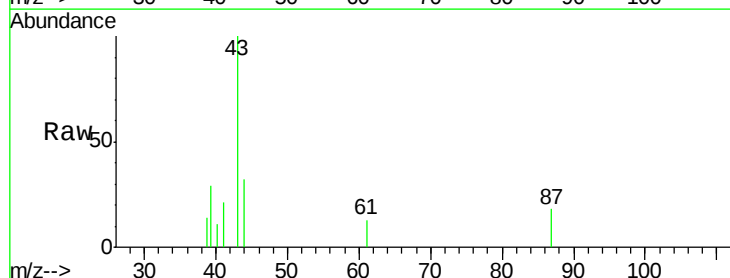
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 11.0 14.4 21.6#

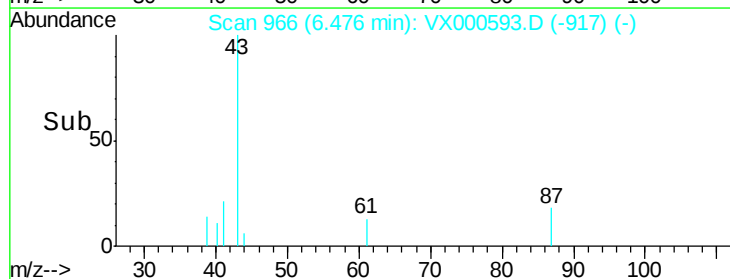
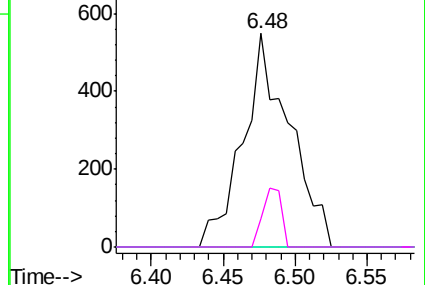


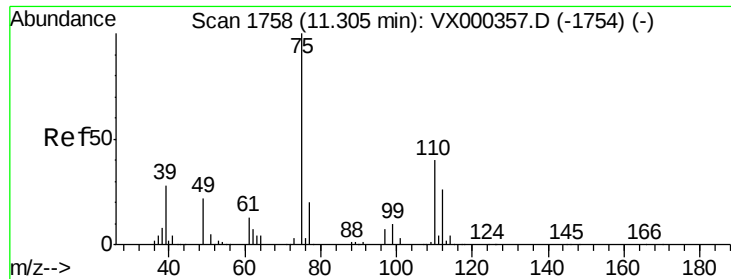
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.593 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

Instrument :

MSVOA_X

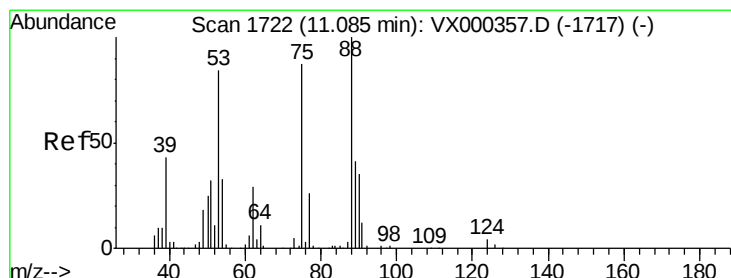
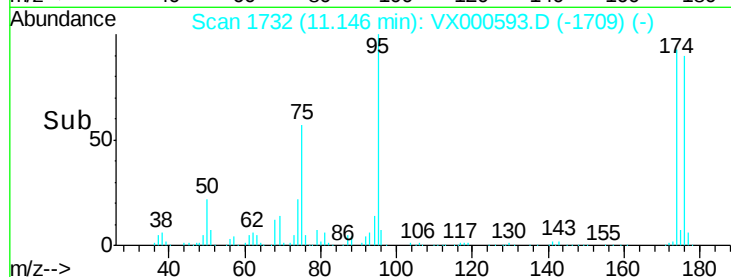
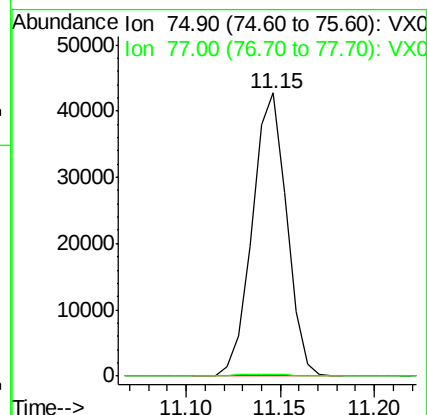
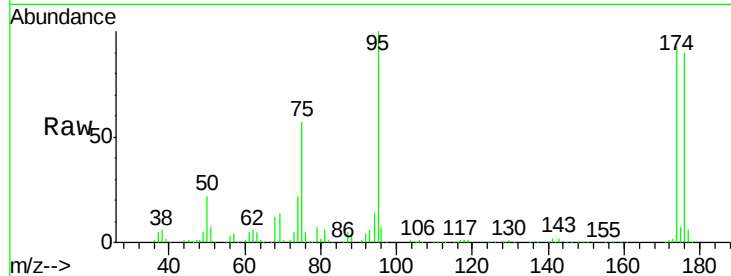
ClientSampleId :

Tot Ion: 75 Resp: 54030

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.145 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000593.D

Acq: 31 Mar 2018 15:17

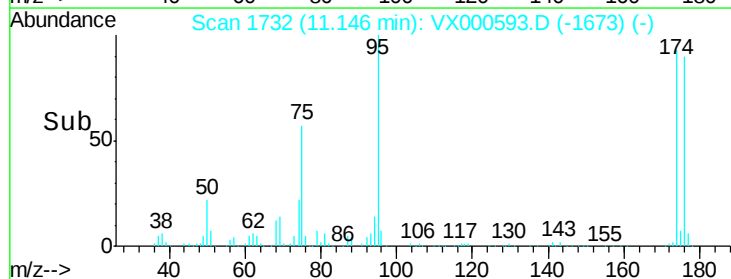
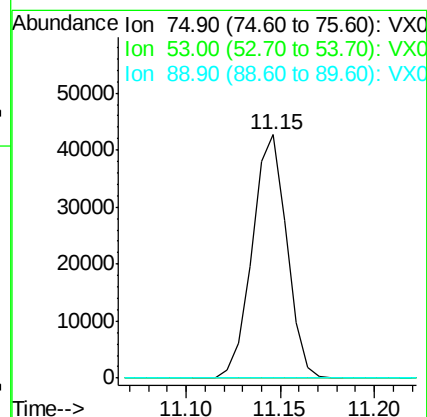
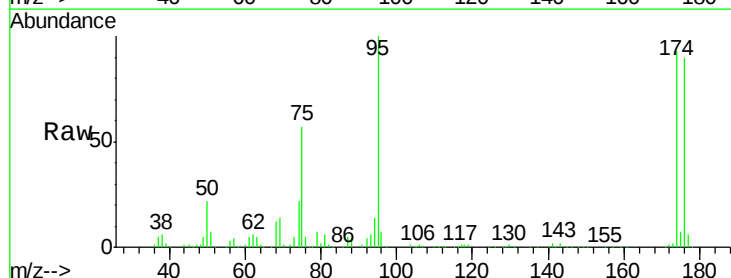
Tgt Ion: 75 Resp: 54030

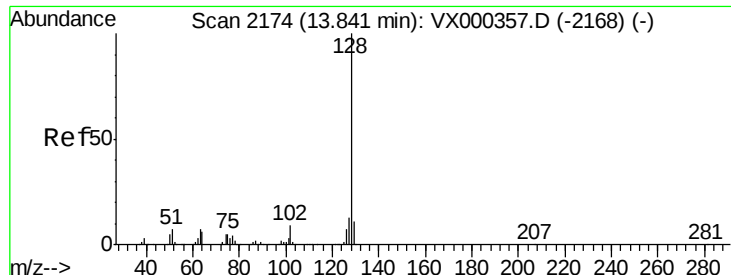
Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#





#95
Naphthalene
Concen: 0.265 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX000593.D
Acq: 31 Mar 2018 15:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.1	8.9	13.3

