

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003054.D
 Acq On : 30 Jun 2018 02:56
 Operator : JC/MD
 Sample : J3707-22
 Misc : 6.14uL/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 04:06:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	253877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358330	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215332	50.00	ug/l	0.00

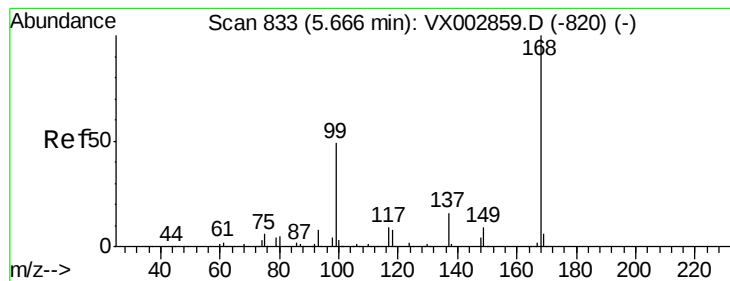
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	170365	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	5.51	113	134639	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	8.72	98	505620	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.15	95	187683	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	424	Below Cal	#	15
4) Vinyl Chloride	1.41	62	8562	2.98	ug/l #	12
5) Bromomethane	1.64	94	2192	Below Cal		86
6) Chloroethane	1.64	64	179	Below Cal	#	1
10) Methyl Iodide	2.48	142	2302	6.93	ug/l	98
11) Tert butyl alcohol	3.03	59	7725	11.05	ug/l #	73
12) 1,1-Dichloroethene	2.34	96	718	0.29	ug/l #	76
13) Acrolein	2.31	56	202	4.74	ug/l #	63
18) Methyl Acetate	2.79	43	1949	0.48	ug/l	92
20) Methylene Chloride	2.84	84	1805	0.64	ug/l #	93
21) trans-1,2-Dichloroethene	3.14	96	918	0.34	ug/l #	66
24) 1,1-Dichloroethane	3.69	63	2129	0.42	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	515455	168.58	ug/l	81
31) Cyclohexane	5.65	56	5099	1.16	ug/l #	11
36) 1,1-Dichloropropene	5.65	75	16760	4.27	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23509	5.45	ug/l #	17
44) Trichloroethene	7.21	130	1885	0.55	ug/l	85
65) Chlorobenzene	10.14	112	8663	1.00	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	96247	24.68	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96247	70.14	ug/l #	7
91) 1,2-Dichlorobenzene	12.40	146	7851	1.03	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003054.D

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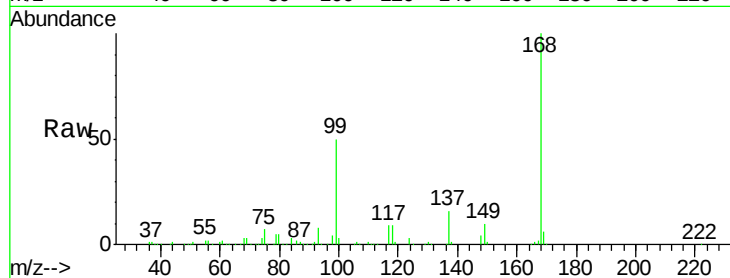
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 253877

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

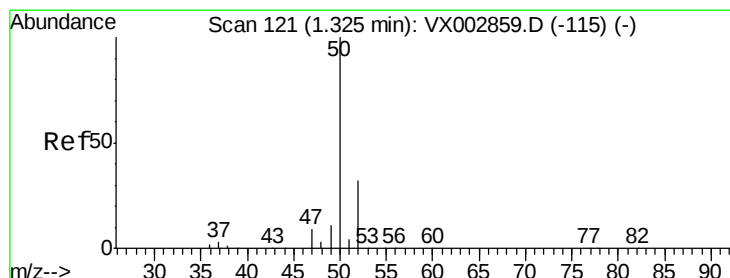
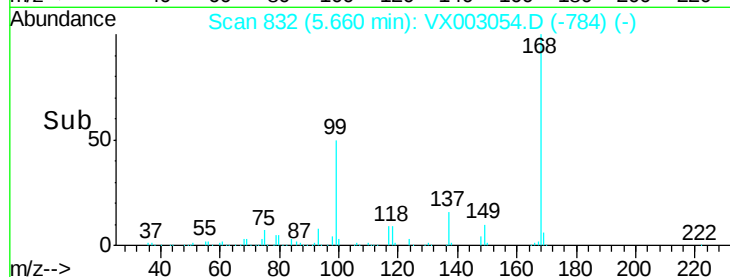
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003054.D

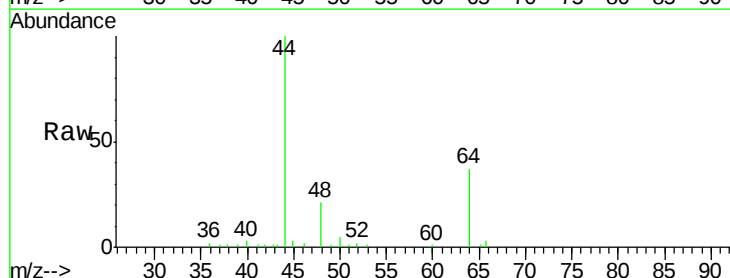
Acq: 30 Jun 2018 02:56

Tgt Ion: 50 Resp: 424

Ion Ratio Lower Upper

50 100

52 79.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

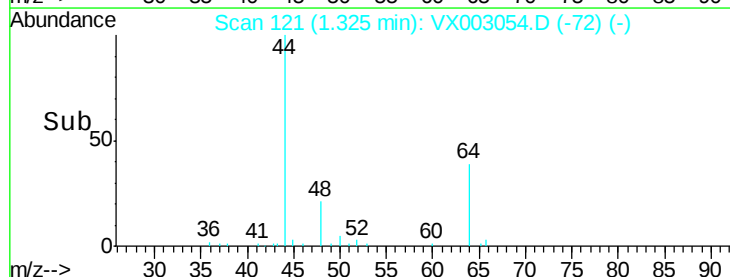
300

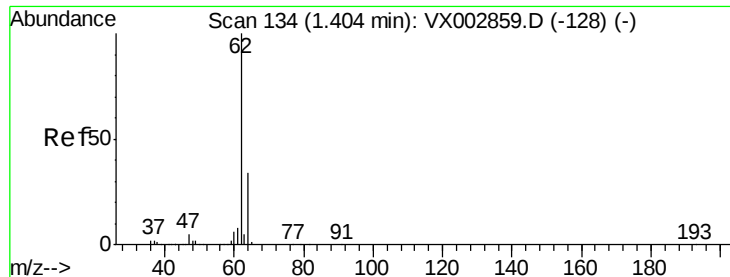
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.98 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

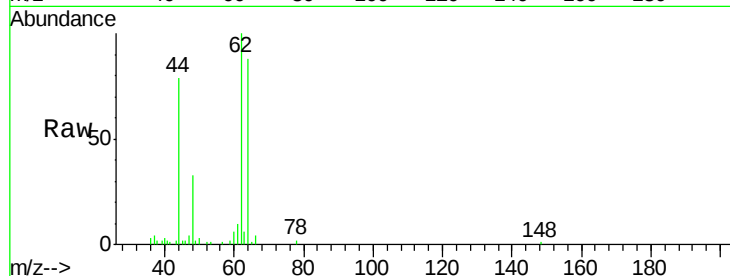
ClientSampled :

Tot Ion: 62 Resp: 8562

Ion Ratio Lower Upper

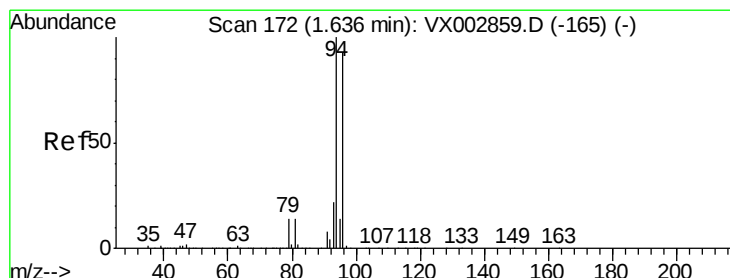
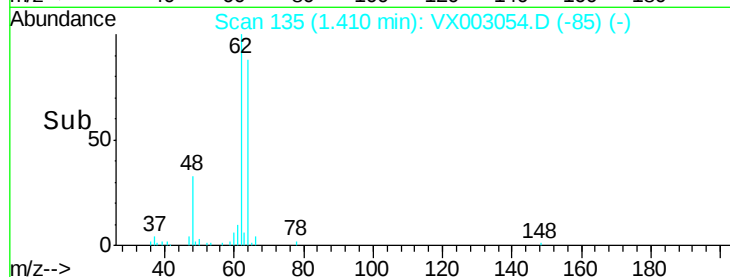
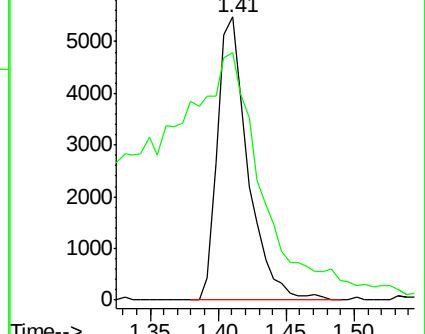
62 100

64 80.6 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003054.D

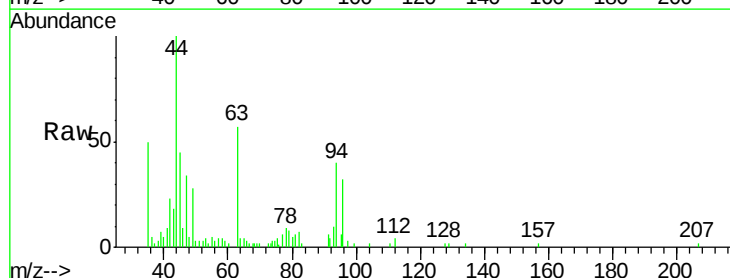
Acq: 30 Jun 2018 02:56

Tgt Ion: 94 Resp: 2192

Ion Ratio Lower Upper

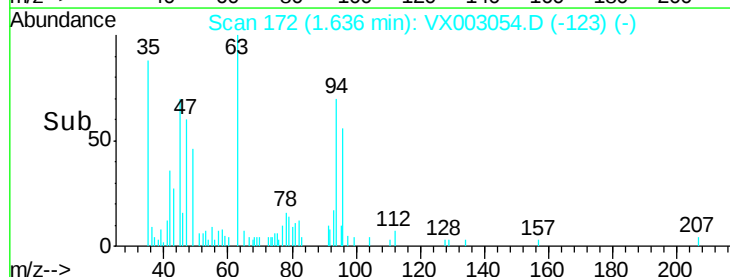
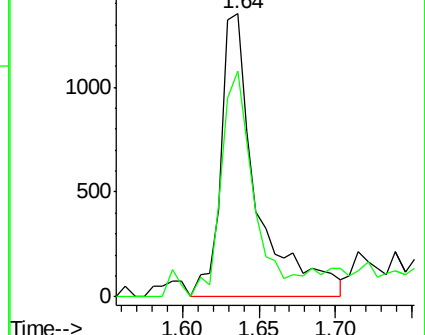
94 100

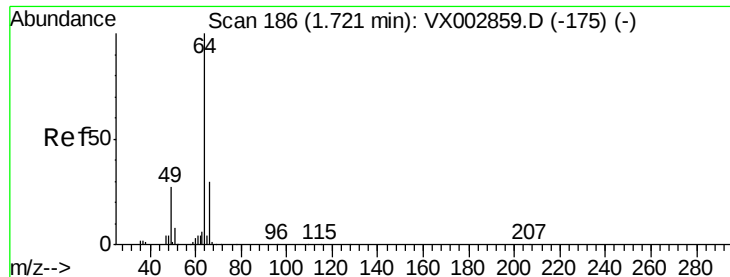
96 79.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. -0.08 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

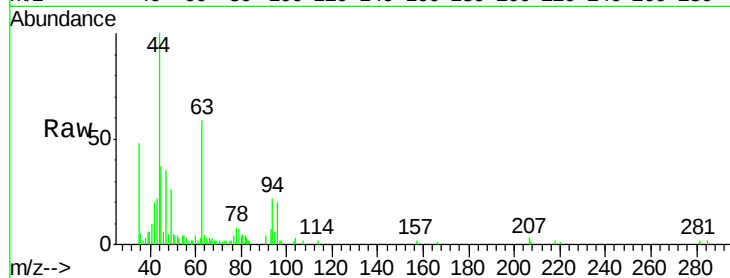
ClientSampled :

Tot Ion: 64 Resp: 179

Ion Ratio Lower Upper

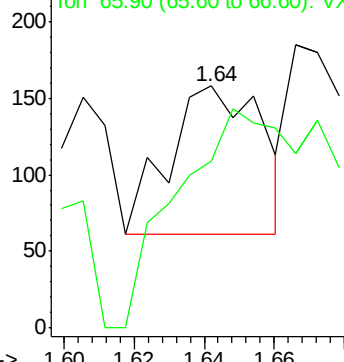
64 100

66 194.8 25.5 38.3#

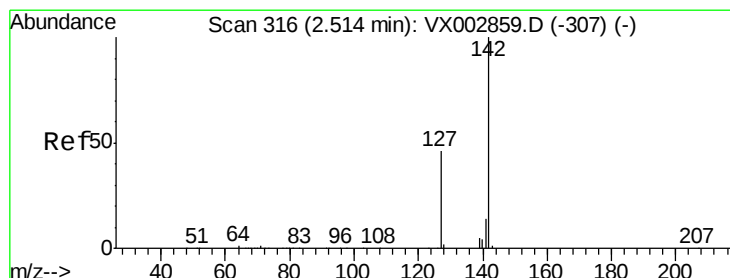
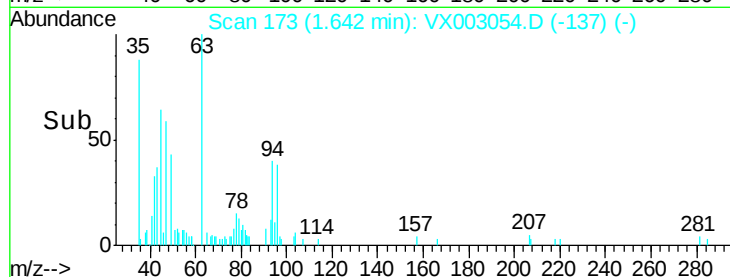


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 6.93 ug/l

RT: 2.48 min Scan# 311

Delta R.T. -0.03 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

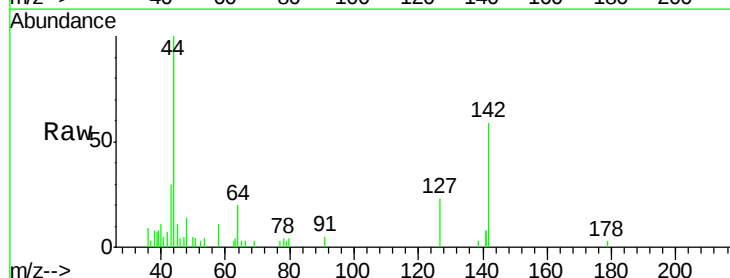
Tgt Ion:142 Resp: 2302

Ion Ratio Lower Upper

142 100

127 44.9 36.6 55.0

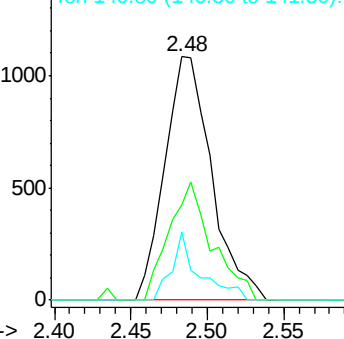
141 16.3 11.3 16.9



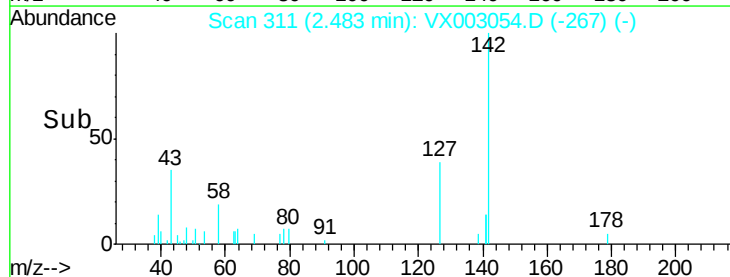
Abundance Ion 141.80 (141.50 to 142.50): V

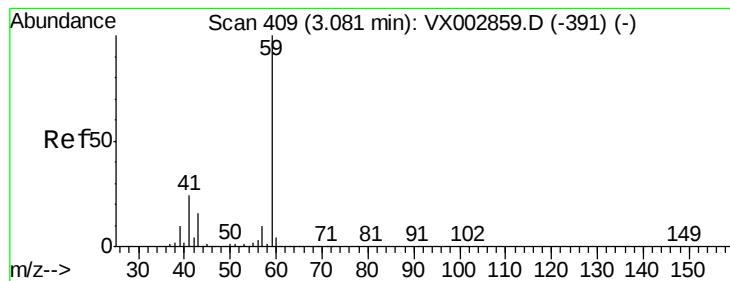
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



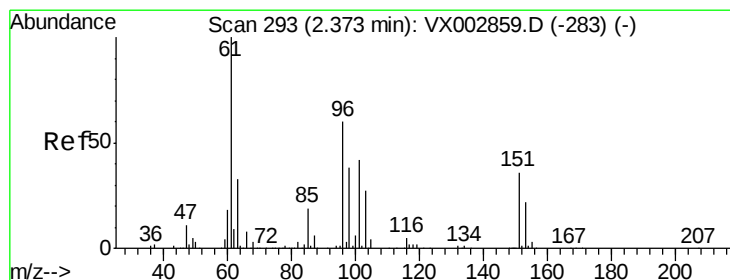
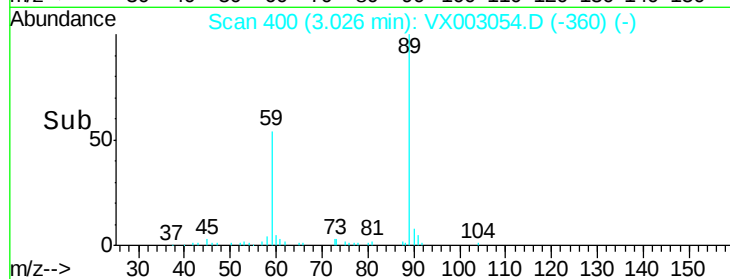
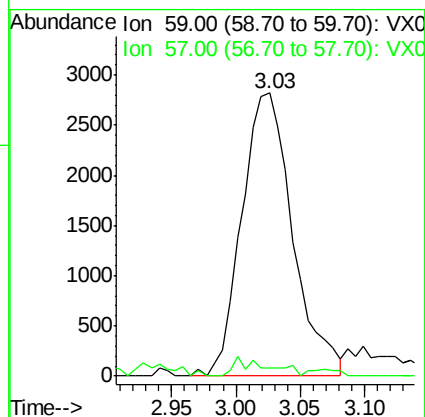
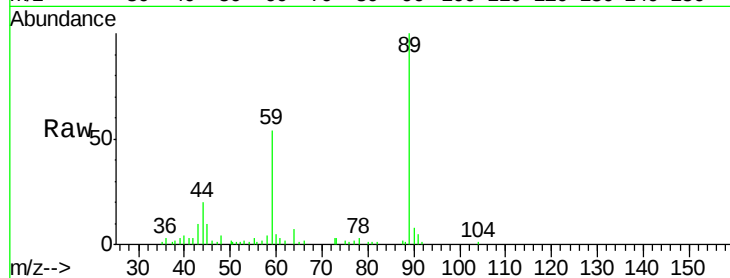


#11

Tert butyl alcohol
 Concen: 11.05 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampled :

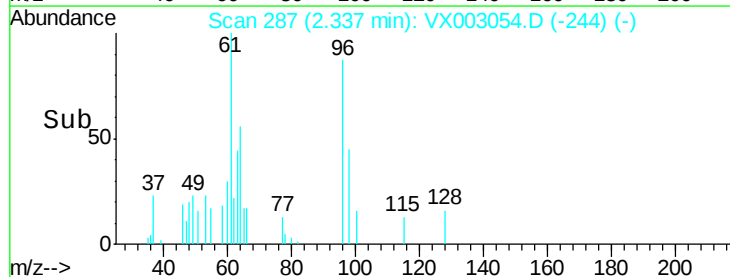
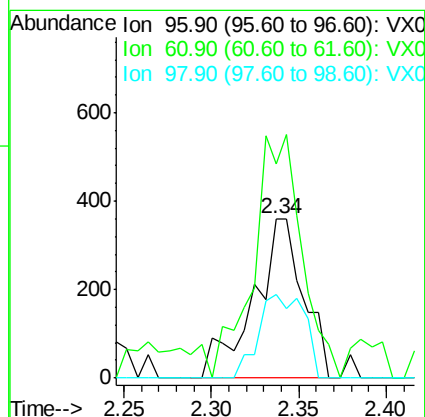
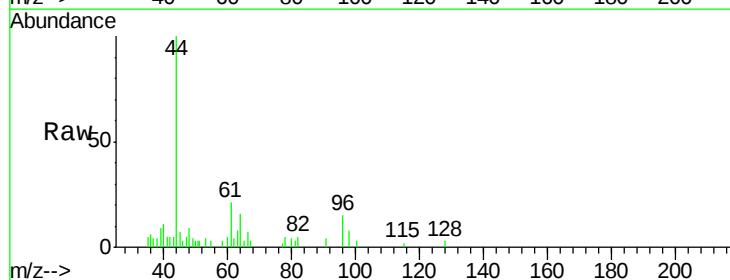
Tot Ion: 59 Resp: 7725
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

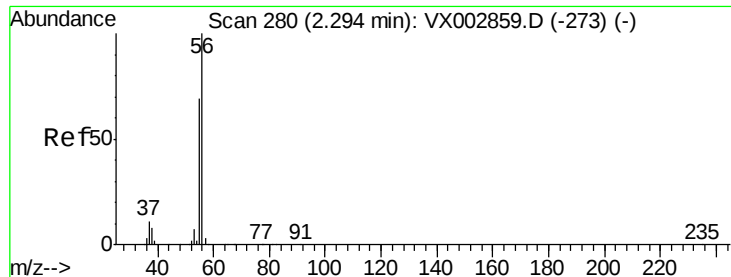


#12

1,1-Dichloroethene
 Concen: 0.29 ug/l
 RT: 2.34 min Scan# 287
 Delta R.T. -0.04 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Tgt Ion: 96 Resp: 718
 Ion Ratio Lower Upper
 96 100
 61 134.1 137.9 206.9#
 98 52.1 51.6 77.4





#13

Acrolein

Concen: 4.74 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

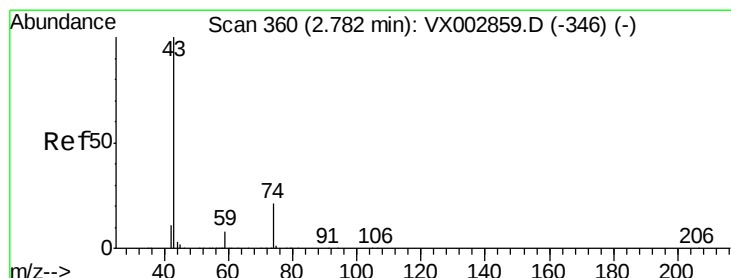
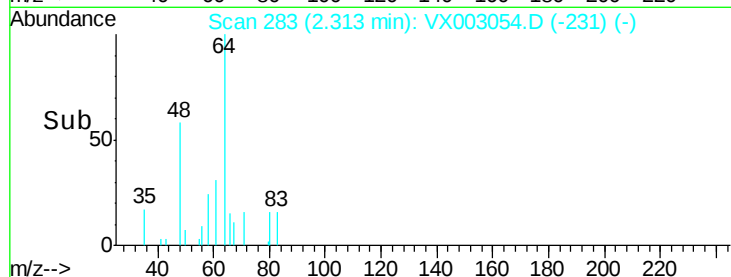
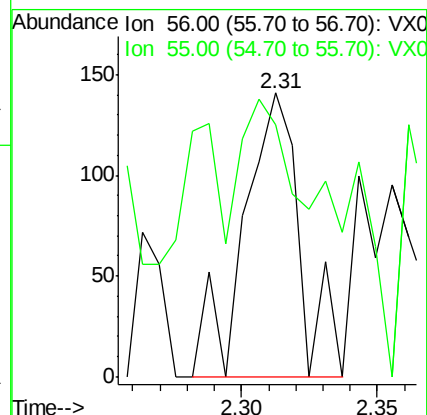
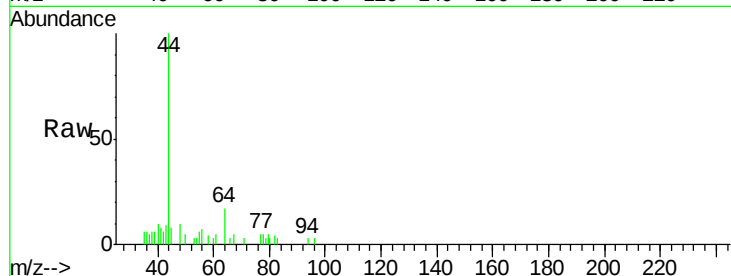
ClientSampleId :

Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 40.6 57.0 85.4#



#18

Methyl Acetate

Concen: 0.48 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX003054.D

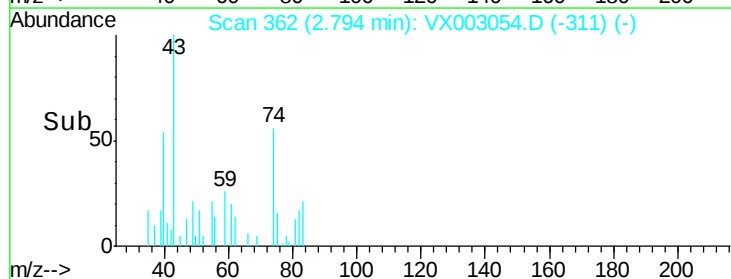
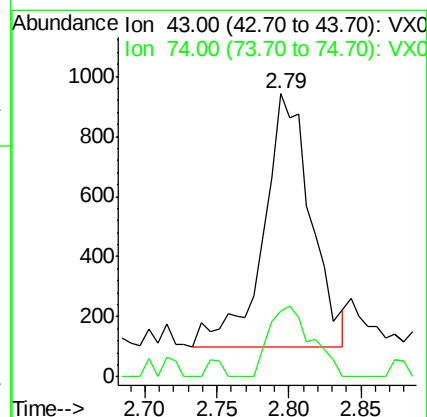
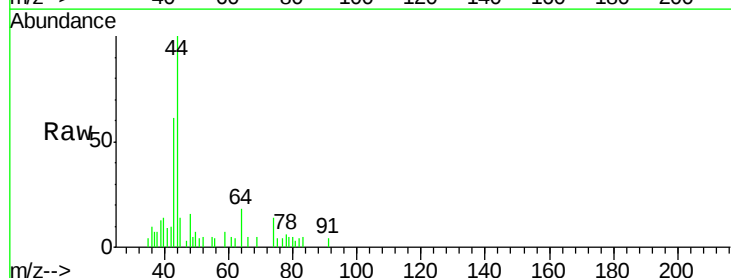
Acq: 30 Jun 2018 02:56

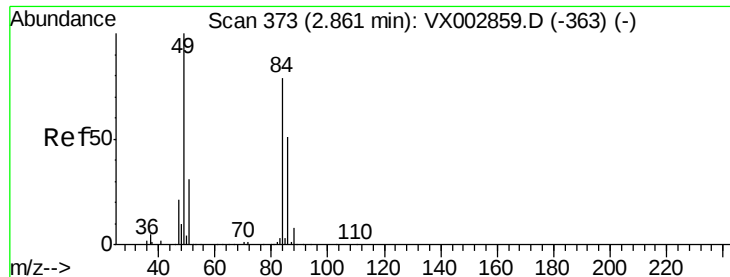
Tgt Ion: 43 Resp: 1949

Ion Ratio Lower Upper

43 100

74 24.7 16.7 25.1

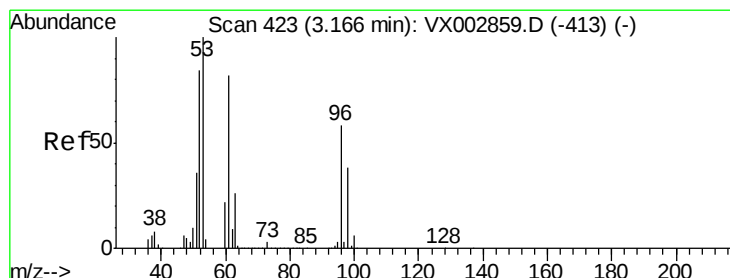
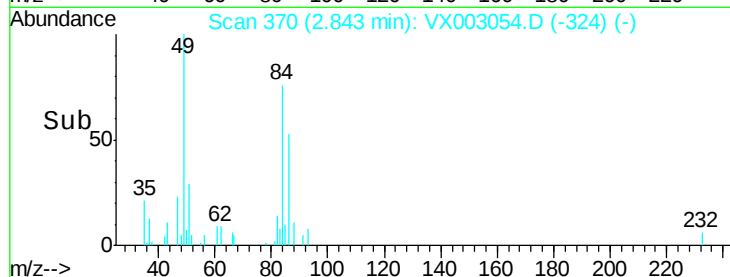
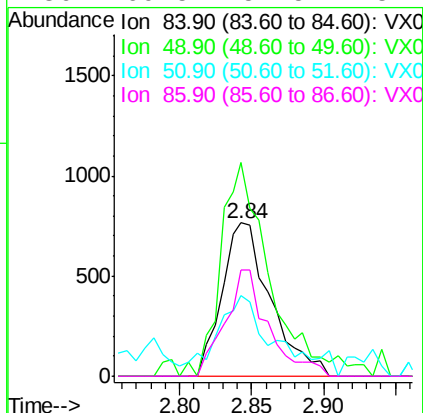
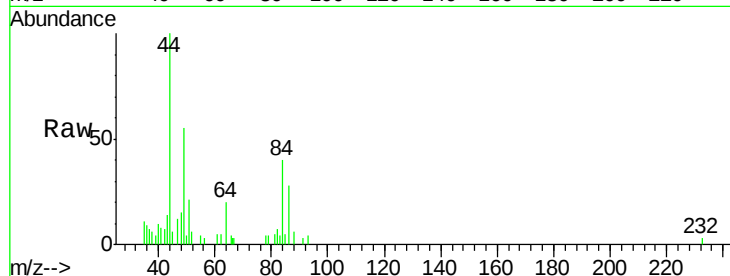




#20
Methvlene Chloride
Concen: 0.64 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX003054.D
Acq: 30 Jun 2018 02:56

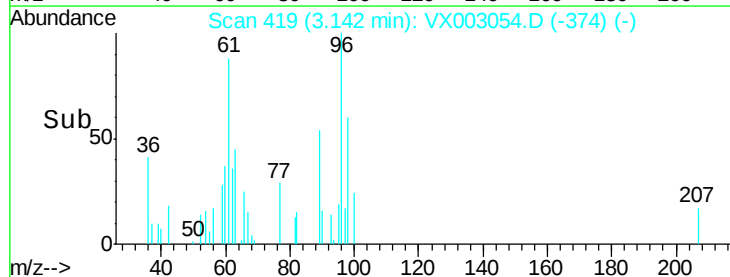
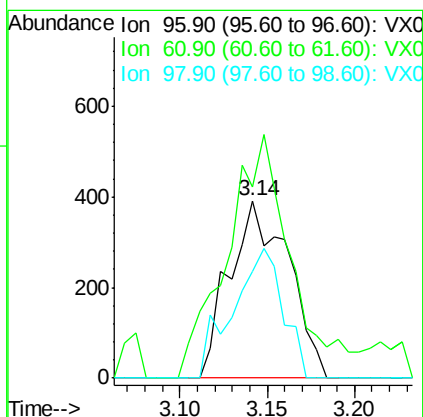
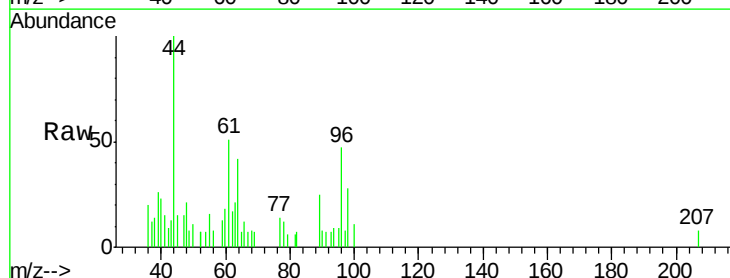
Instrument :
MSVOA_X
ClientSampleId :

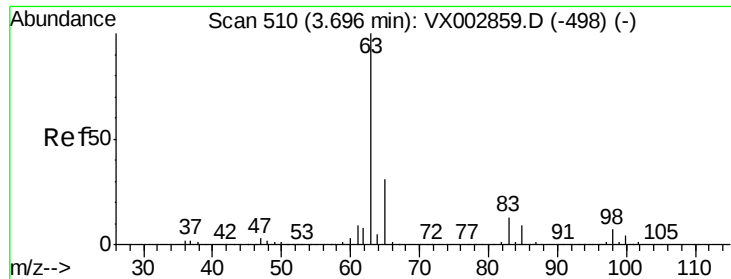
Tot Ion: 84 Resp: 1805
Ion Ratio Lower Upper
84 100
49 130.0 107.8 161.6
51 52.5 32.8 49.2#
86 69.5 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.34 ug/l
RT: 3.14 min Scan# 419
Delta R.T. -0.02 min
Lab File: VX003054.D
Acq: 30 Jun 2018 02:56

Tgt Ion: 96 Resp: 918
Ion Ratio Lower Upper
96 100
61 88.5 117.0 175.4#
98 60.4 52.4 78.6





#24

1,1-Dichloroethane

Concen: 0.42 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampled :

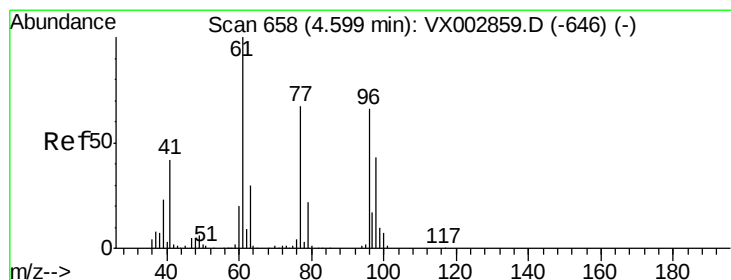
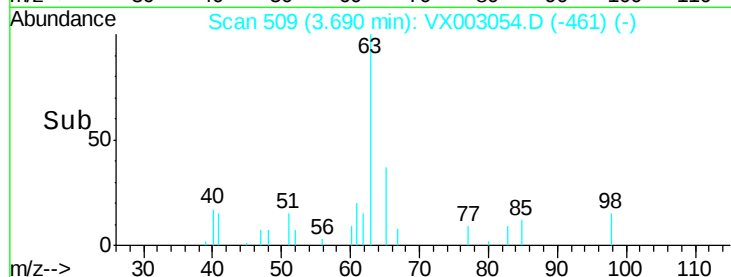
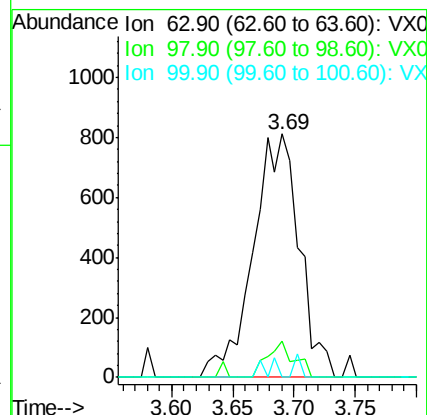
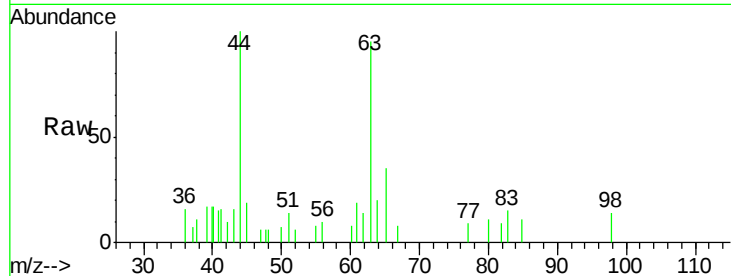
Tot Ion: 63 Resp: 2129

Ion Ratio Lower Upper

63 100

98 14.9 3.4 10.2#

100 0.0 2.0 6.0#



#27

cis-1,2-Dichloroethene

Concen: 168.58 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

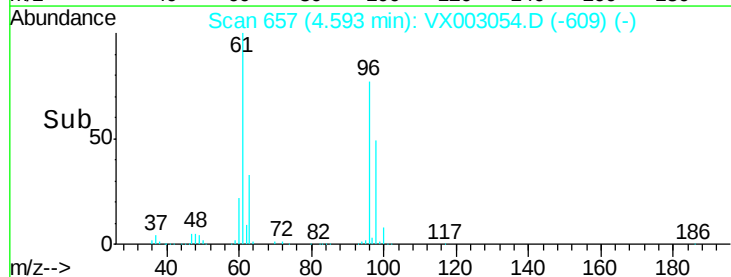
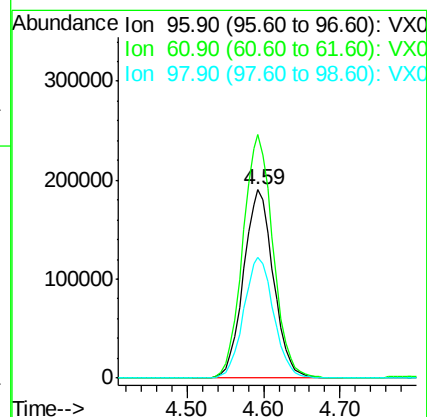
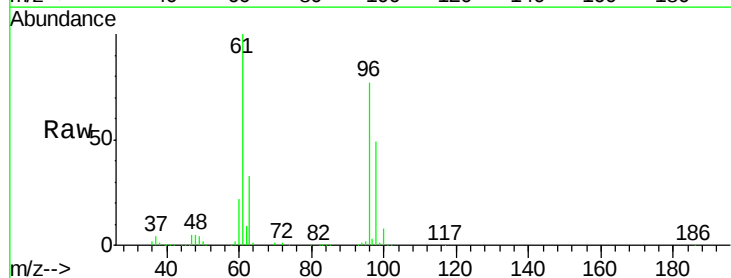
Tgt Ion: 96 Resp: 515455

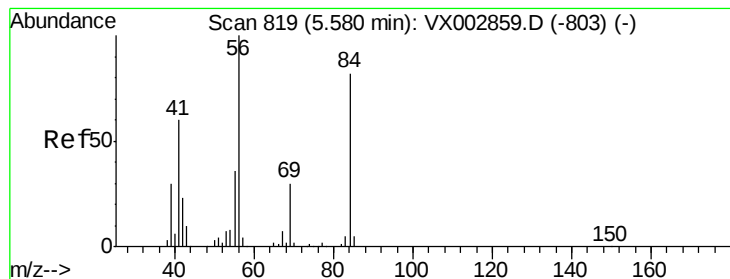
Ion Ratio Lower Upper

96 100

61 130.6 0.0 330.2

98 64.6 0.0 130.2





#31

Cyclohexane

Concen: 1.16 ug/l

RT: 5.65 min Scan# 831

Delta R.T. 0.07 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

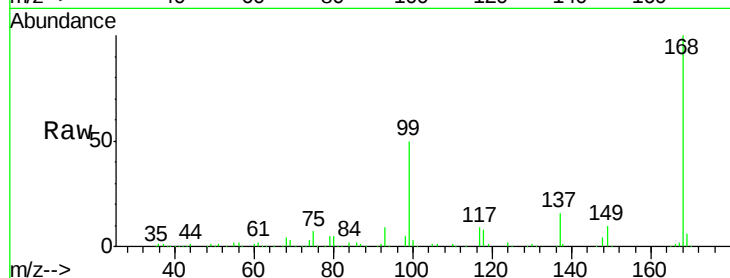
Tot Ion: 56 Resp: 5099

Ion Ratio Lower Upper

56 100

69 145.0 23.7 35.5#

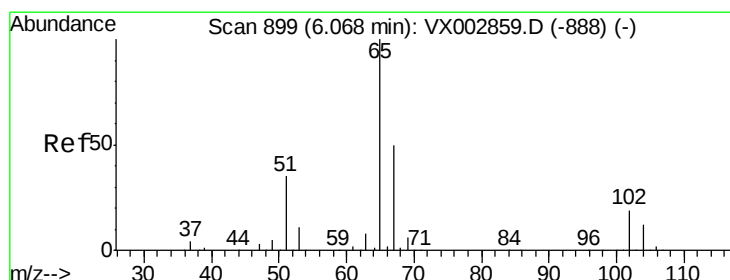
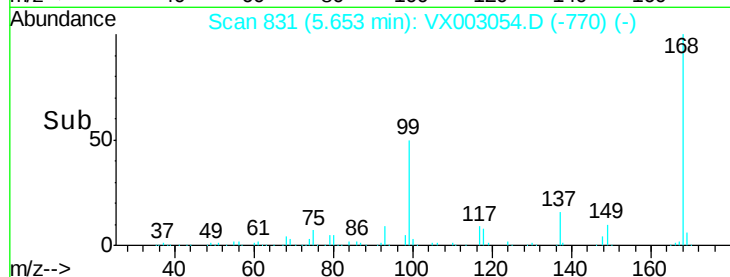
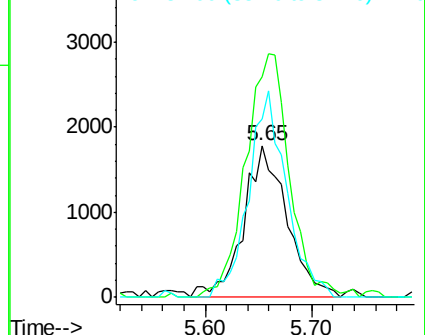
84 117.3 64.1 96.1#



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: 48.55 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003054.D

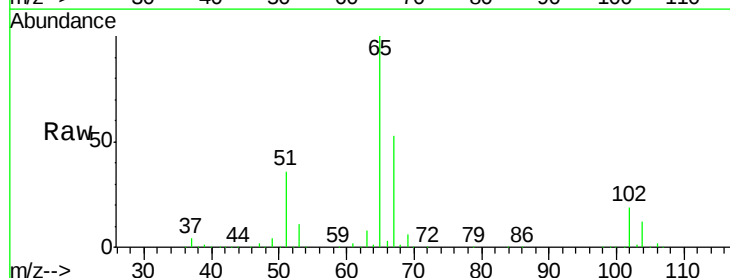
Acq: 30 Jun 2018 02:56

Tgt Ion: 65 Resp: 170365

Ion Ratio Lower Upper

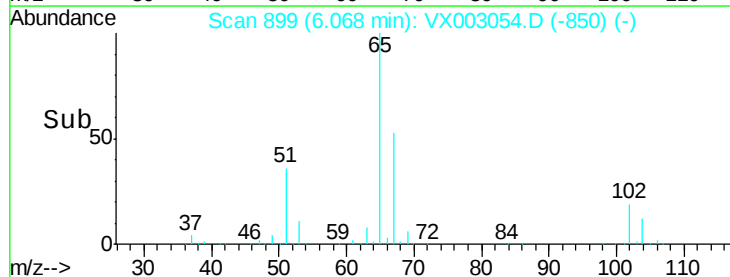
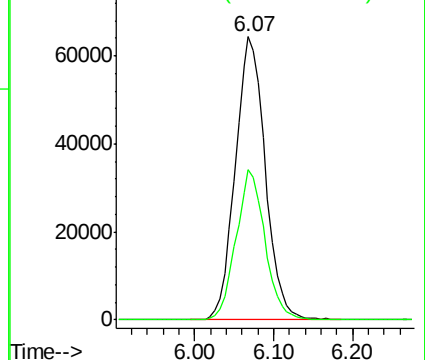
65 100

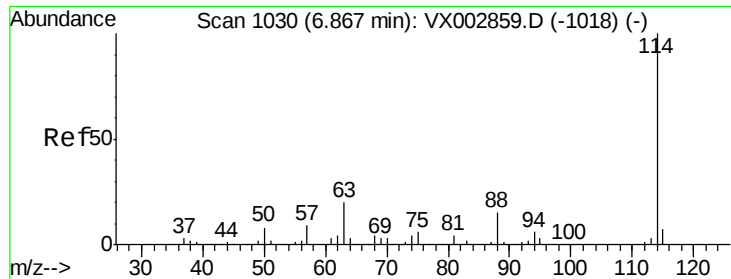
67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

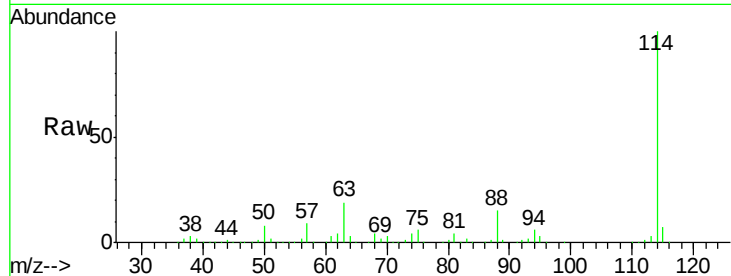




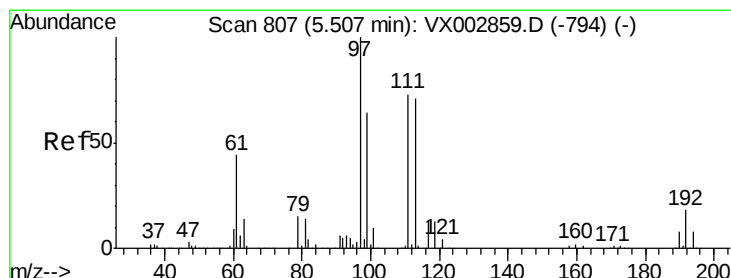
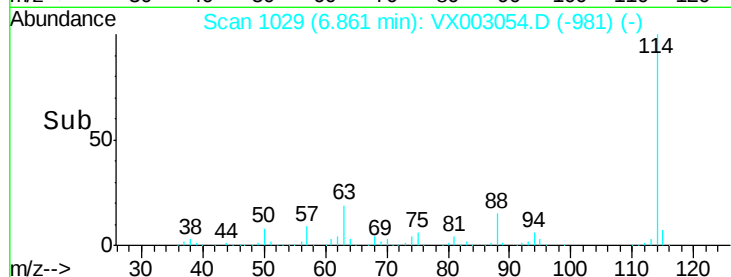
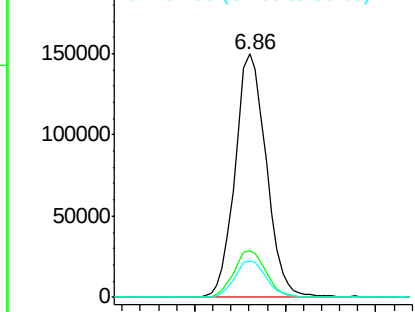
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 358330
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.0 0.0 30.0

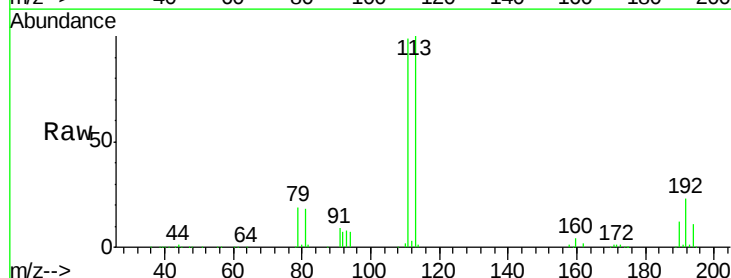


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

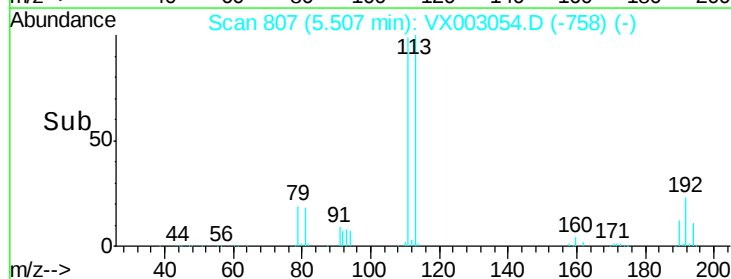
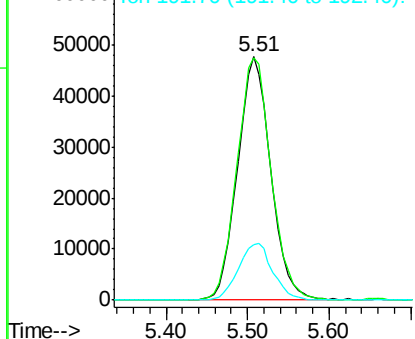


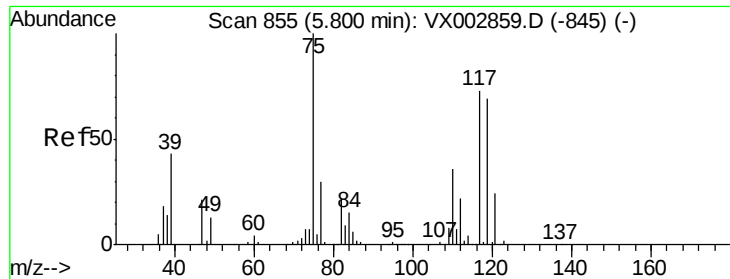
#35
 Dibromofluoromethane
 Concen: 47.45 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Tgt Ion:113 Resp: 134639
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 24.2 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

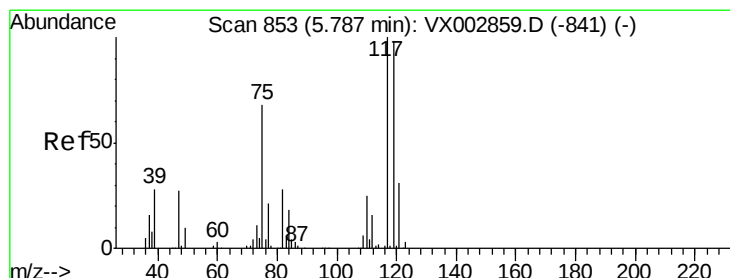
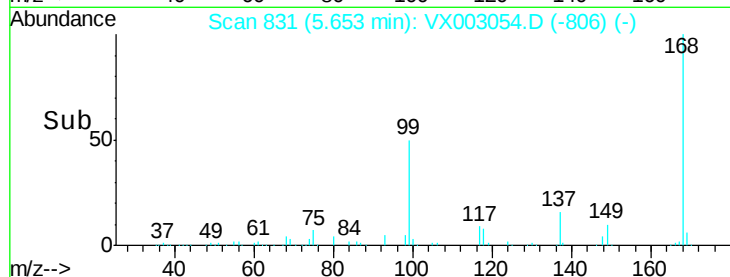
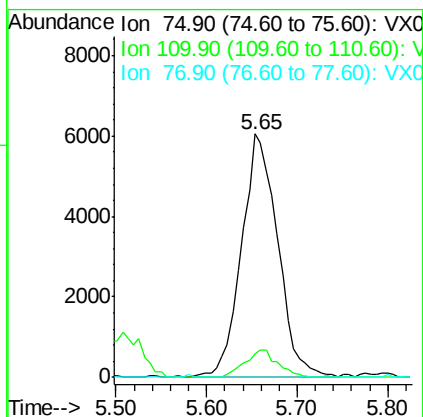
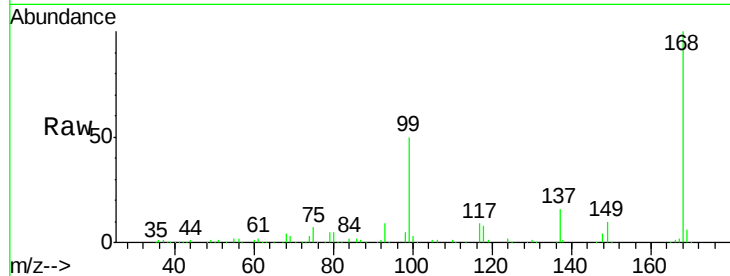




#36
 1,1-Dichloropropene
 Concen: 4.27 ug/l
 RT: 5.65 min Scan# 831
 Delta R.T. -0.15 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

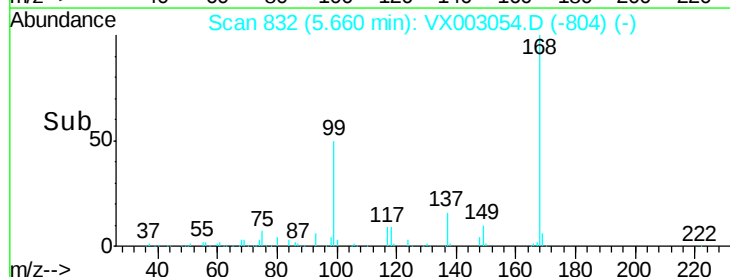
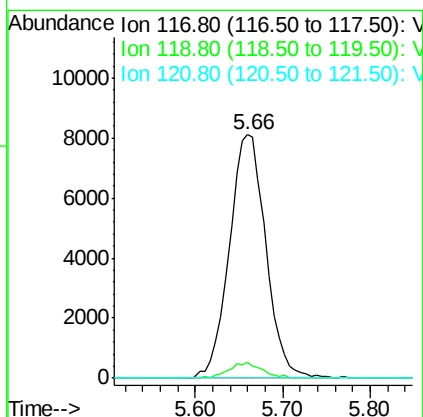
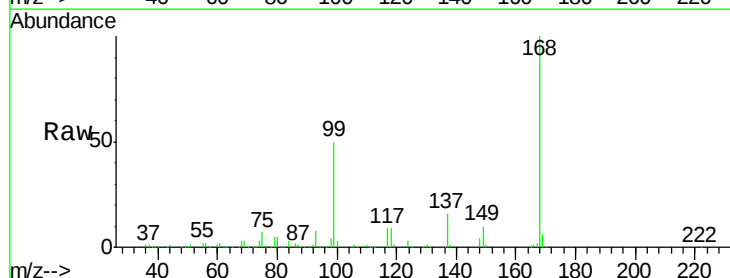
Instrument :
 MSVOA_X
 ClientSampleId :

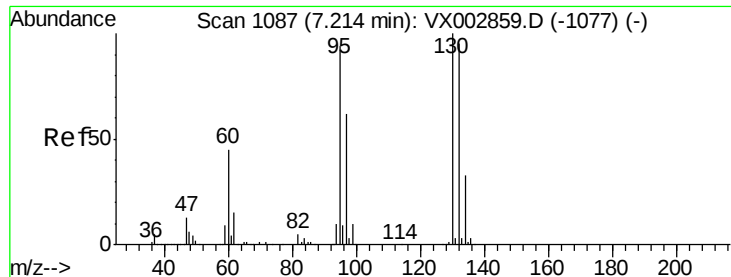
Tot Ion: 75 Resp: 16760
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.45 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.13 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Tgt Ion: 117 Resp: 23509
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.4 116.0#
 121 0.0 24.4 36.6#

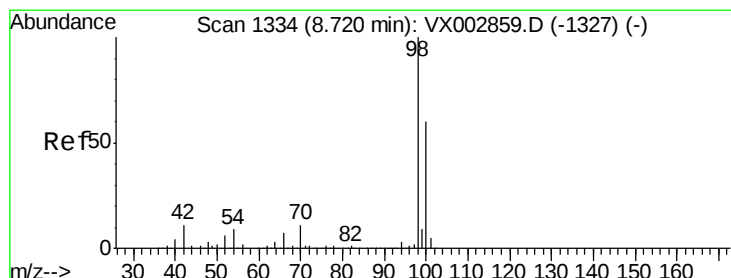
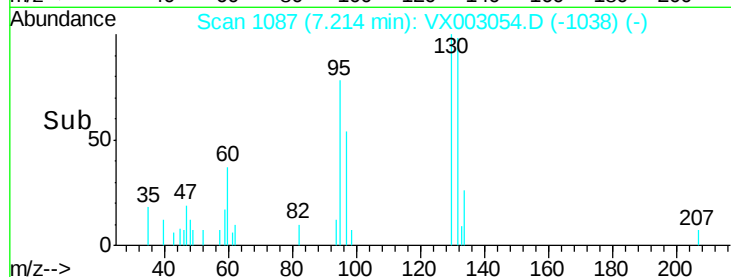
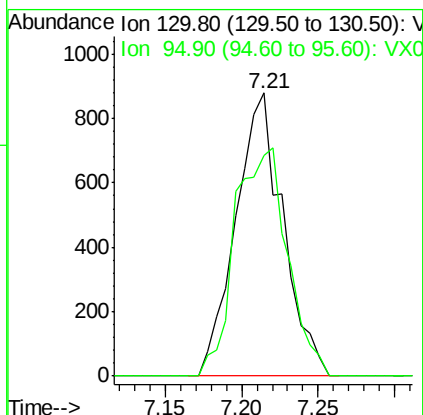
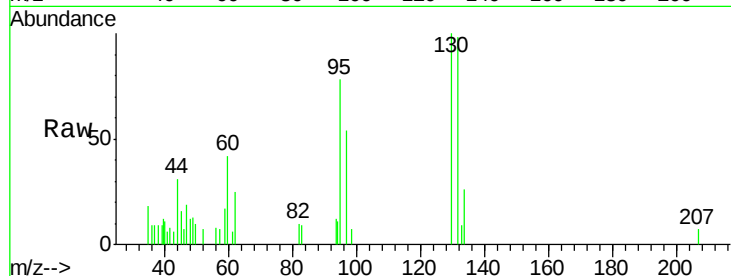




#44
 Trichloroethene
 Concen: 0.55 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

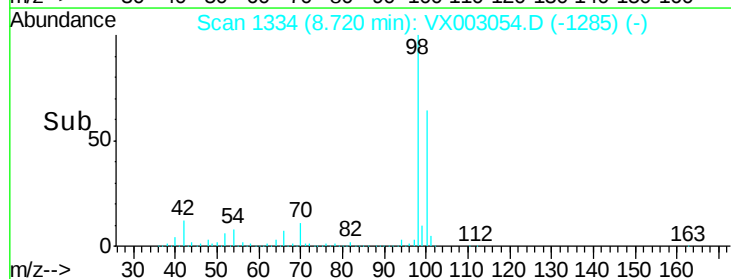
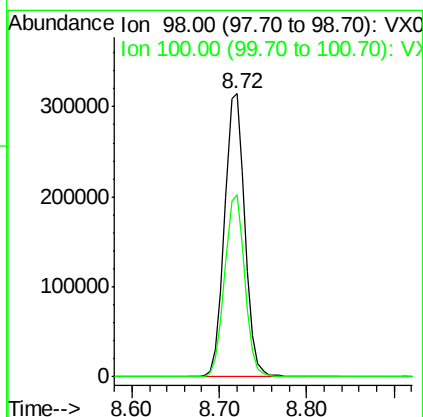
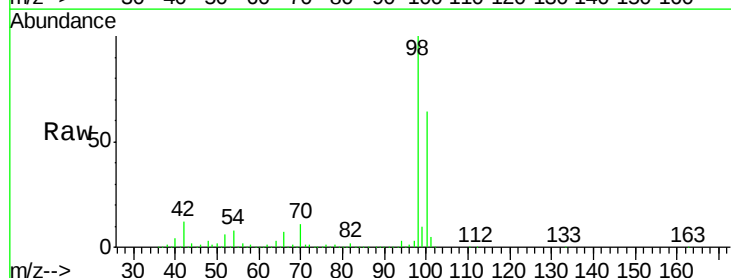
Instrument :
 MSVOA_X
 ClientSampleId :

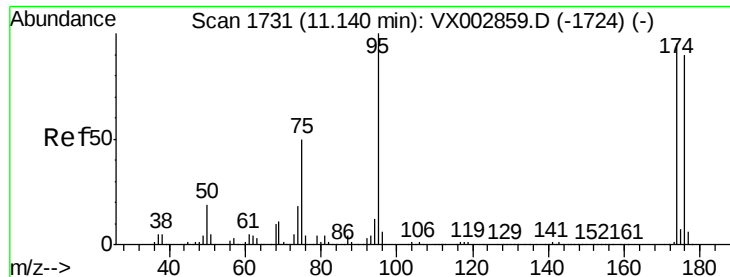
Tot Ion:130 Resp: 1885
 Ion Ratio Lower Upper
 130 100
 95 77.9 0.0 185.4



#50
 Toluene-d8
 Concen: 48.79 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Tgt Ion: 98 Resp: 505620
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

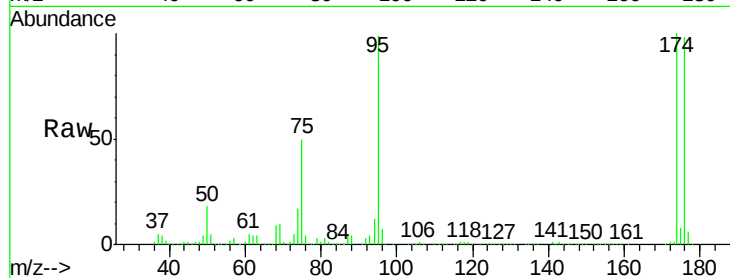
Tot Ion: 95 Resp: 187683

Ion Ratio Lower Upper

95 100

174 97.0 0.0 187.4

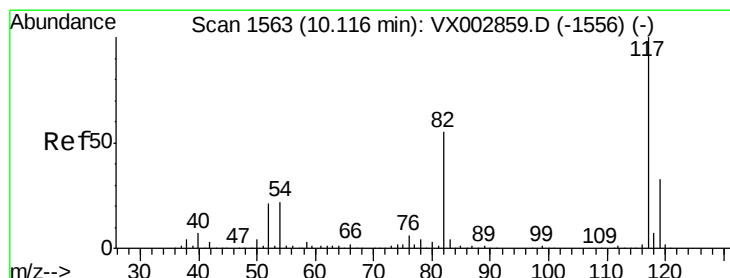
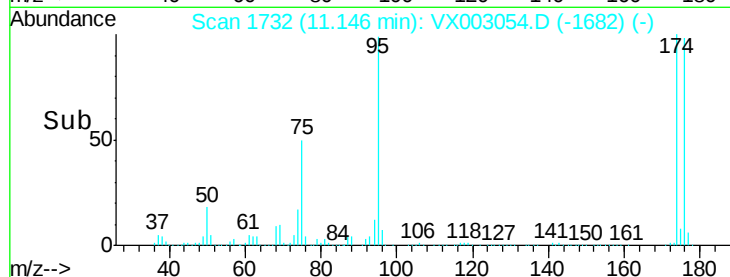
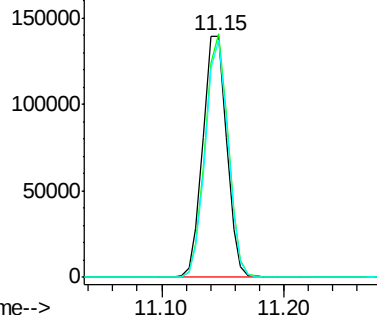
176 93.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

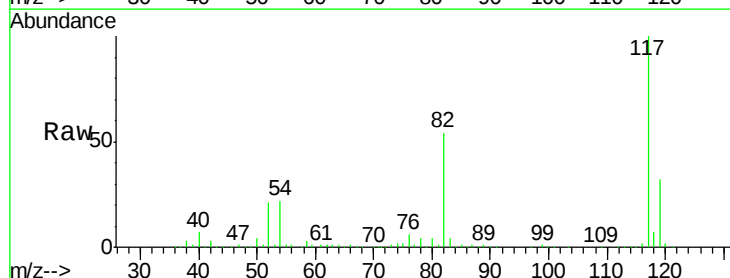
Tgt Ion: 117 Resp: 342663

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.4

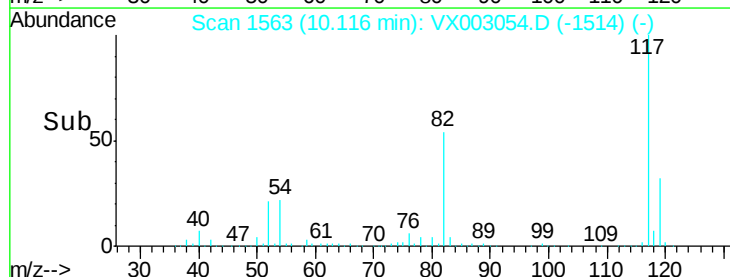
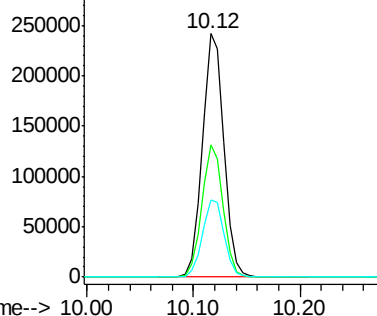
119 31.9 25.8 38.6

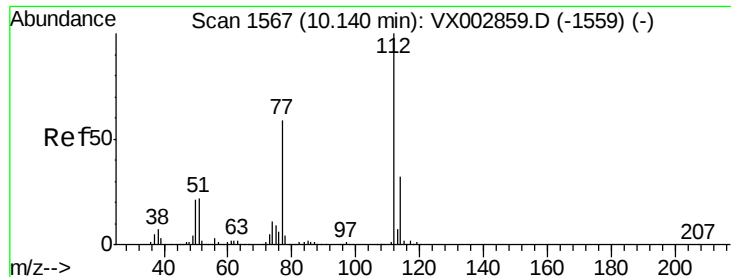


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#65

Chlorobenzene

Concen: 1.00 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

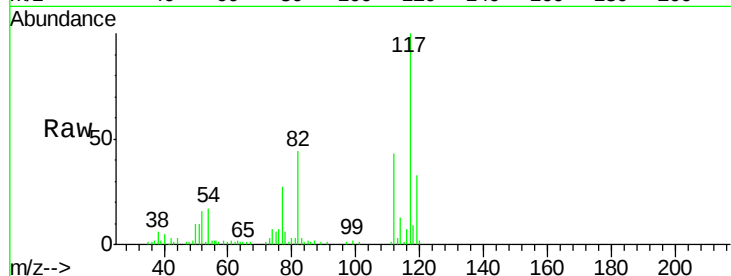
ClientSampleId :

Tot Ion:112 Resp: 8663

Ion Ratio Lower Upper

112 100

114 30.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

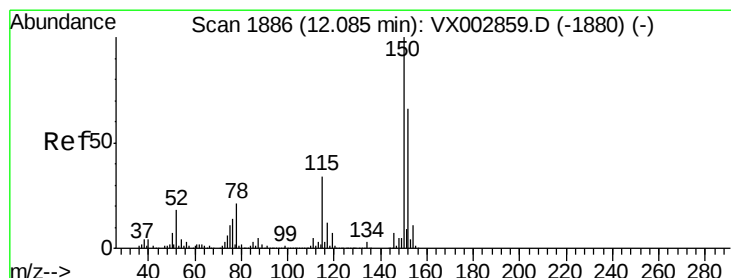
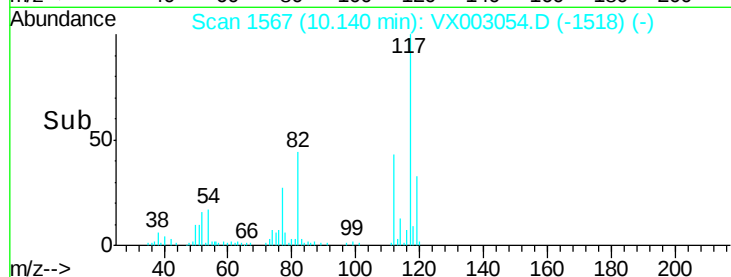
6000

4000

2000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

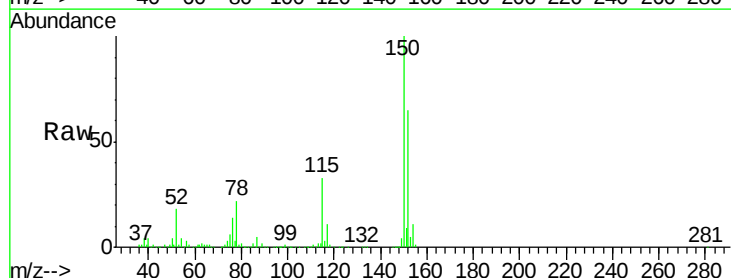
Tgt Ion:152 Resp: 215332

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

150 155.3 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

12.09

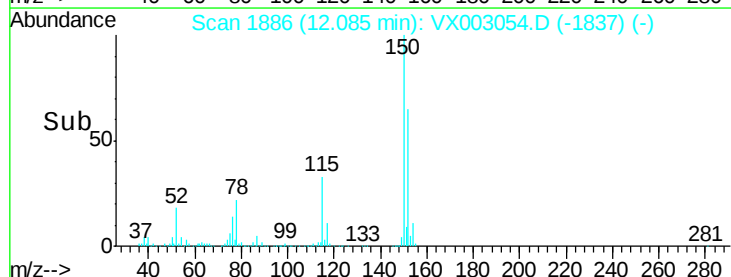
300000

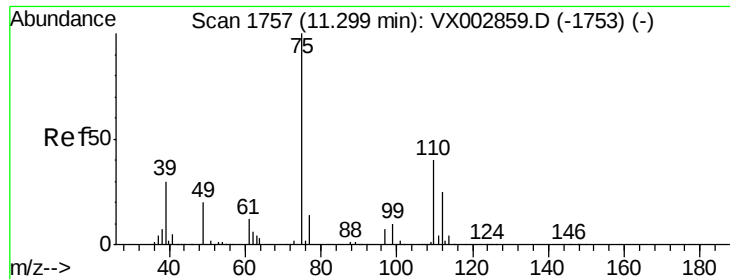
200000

100000

0

Time-->

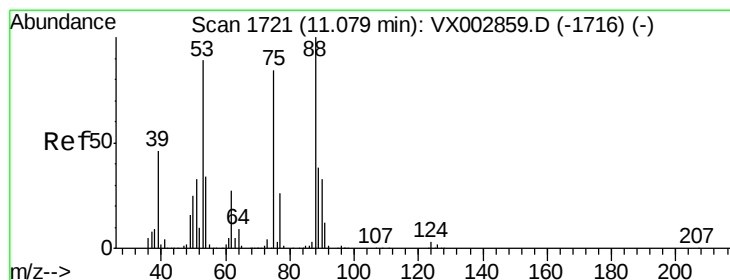
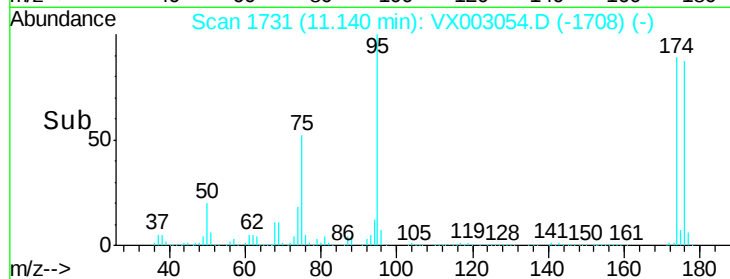
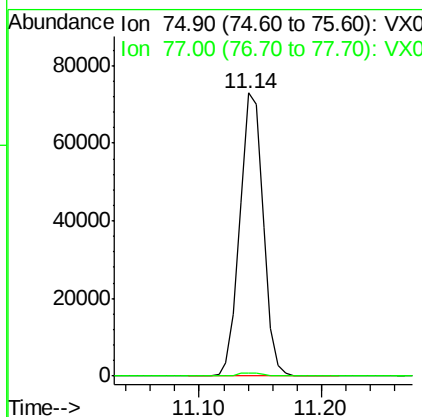
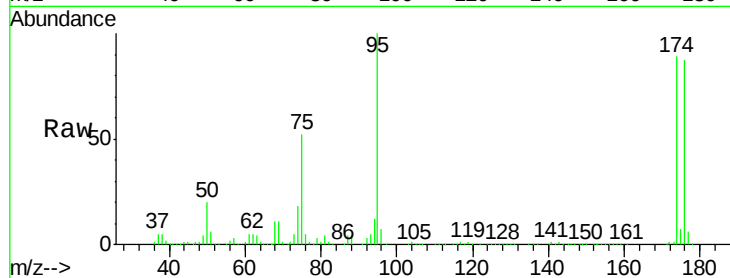




#76
 1,2,3-Trichloropropane
 Concen: 24.68 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

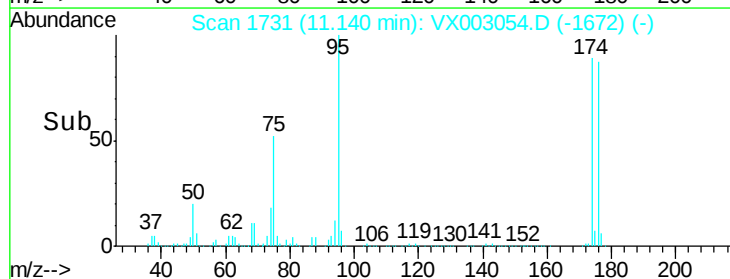
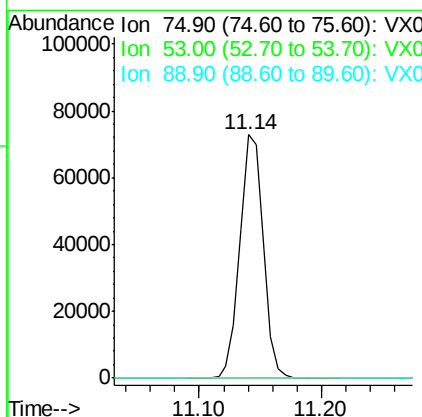
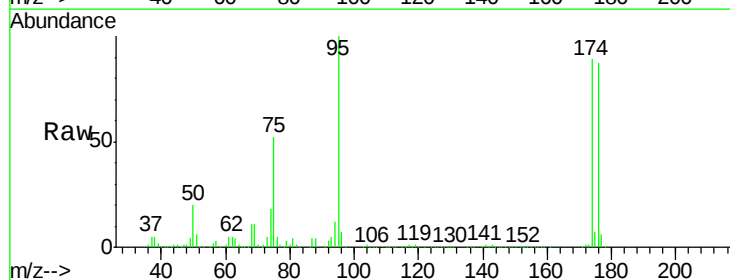
Instrument :
 MSVOA_X
 ClientSampled :

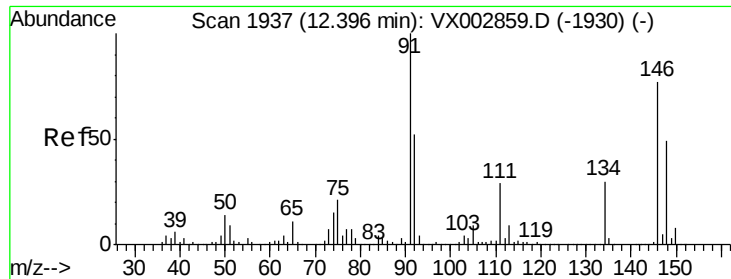
Tot Ion: 75 Resp: 96247
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.14 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003054.D
 Acq: 30 Jun 2018 02:56

Tgt Ion: 75 Resp: 96247
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#





#91

1,2-Dichlorobenzene

Concen: 1.03 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003054.D

Acq: 30 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

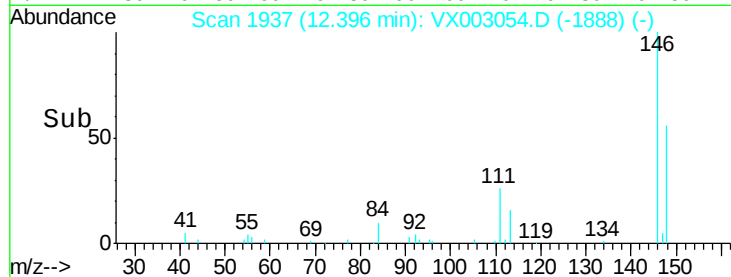
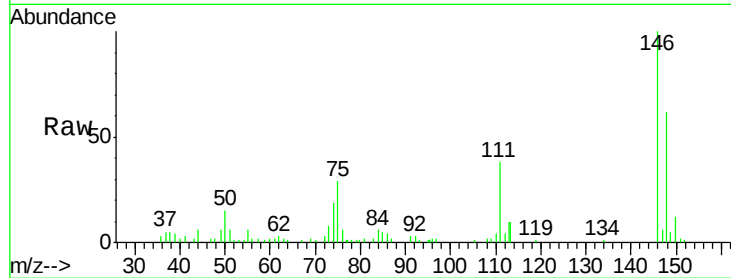
Tot Ion:146 Resp: 7851

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.1

148 64.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

