

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001064.D
 Acq On : 23 Apr 2018 17:36
 Operator : JC/MD
 Sample : J2464-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-180417

Quant Time: Apr 24 07:03:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	203257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	281355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	245385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	136764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	134120	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	5.51	113	101687	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.72	98	387178	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.14	95	134428	40.38	ug/l	0.00
Spiked Amount			Recovery	=	80.76%	

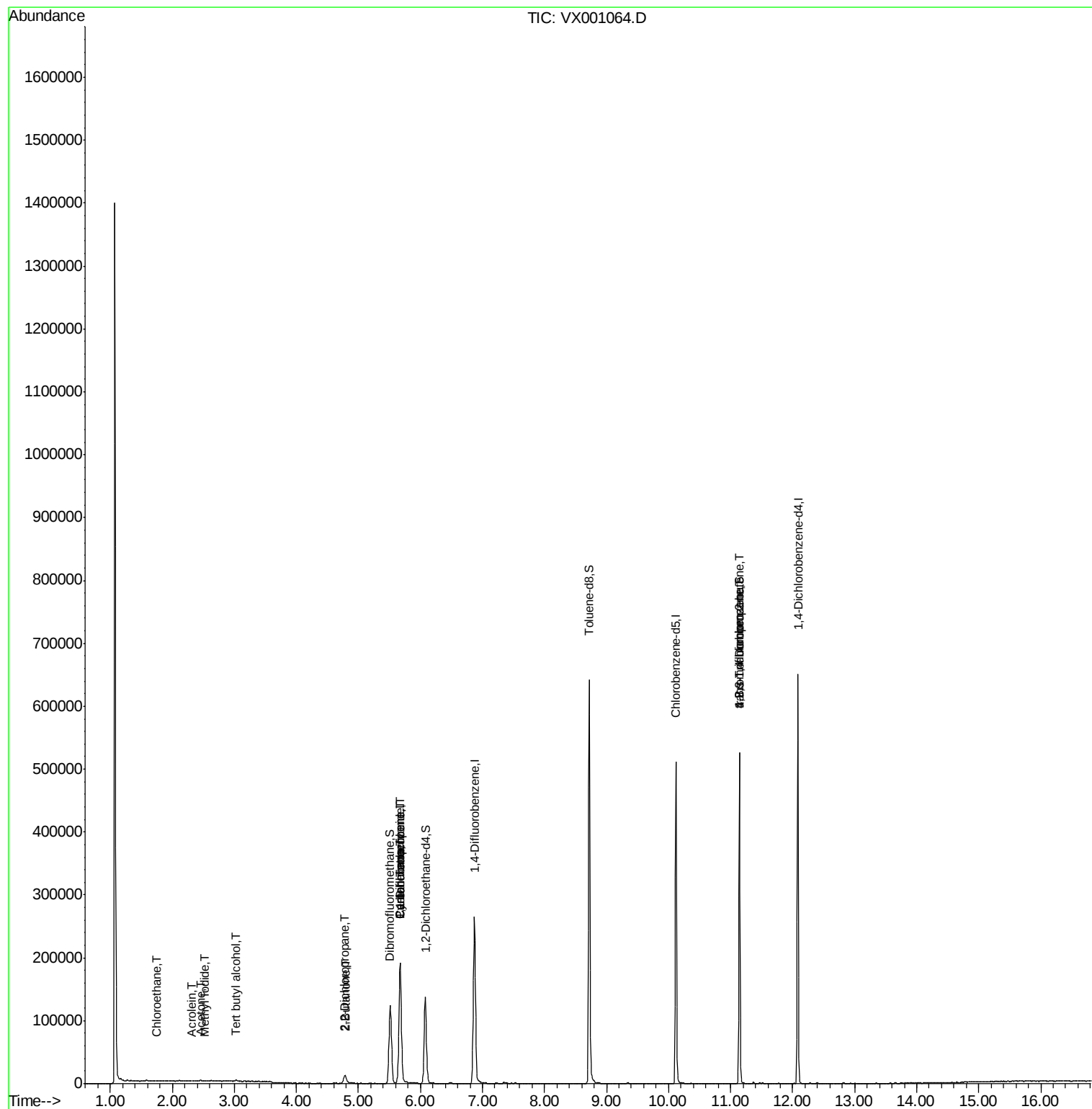
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	273	Below Cal		84
6) Chloroethane	1.74	64	1018	0.70 ug/l	#	84
10) Methyl Iodide	2.52	142	48	7.62 ug/l	#	41
11) Tert butyl alcohol	3.02	59	1428	3.67 ug/l	#	81
13) Acrolein	2.31	56	126	11.93 ug/l	#	71
16) Acetone	2.45	43	1228	1.27 ug/l		91
20) Methylene Chloride	2.87	84	140	Below Cal	#	52
25) 2-Butanone	4.78	43	1279	0.84 ug/l	#	50
26) 2,2-Dichloropropane	4.78	77	1158	0.35 ug/l	#	53
31) Cyclohexane	5.68	56	3722	1.02 ug/l	#	19
36) 1,1-Dichloropropene	5.67	75	12554	3.80 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	17718	5.29 ug/l	#	16
76) 1,2,3-Trichloropropane	11.14	75	68069	28.69 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	68069	85.56 ug/l	#	8

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

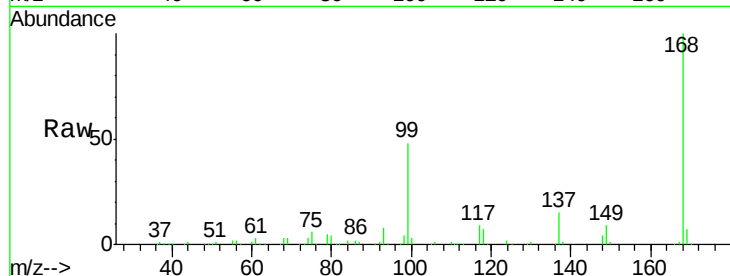
LF017MW004-180417

Tgt Ion:168 Resp: 203257

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

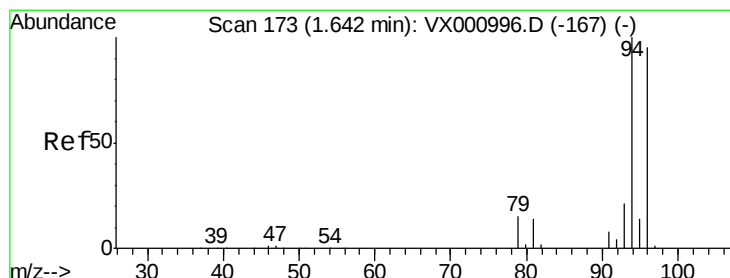
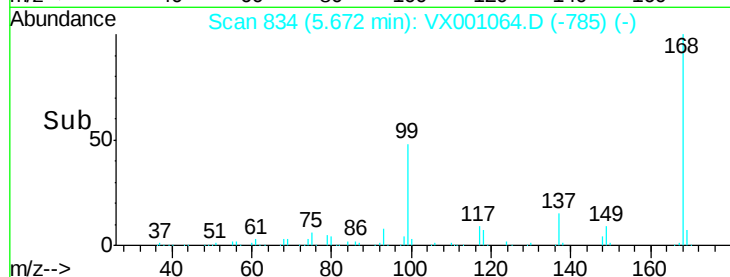
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001064.D

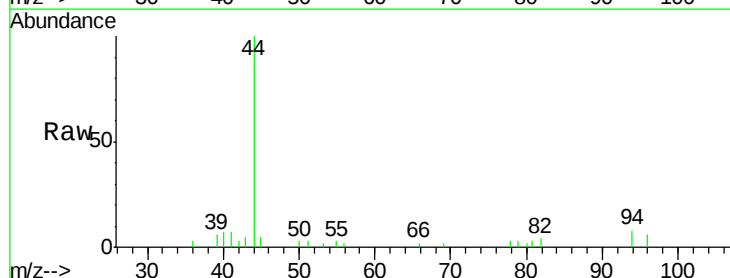
Acq: 23 Apr 2018 17:36

Tgt Ion: 94 Resp: 273

Ion Ratio Lower Upper

94 100

96 79.7 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

150

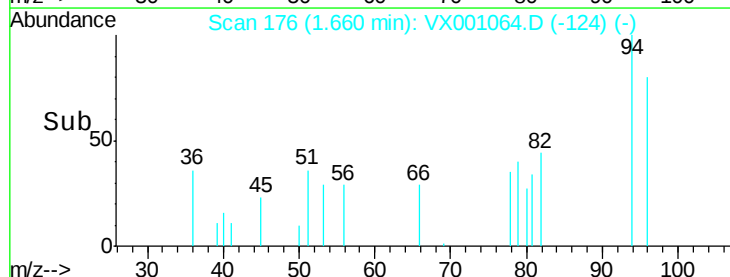
100

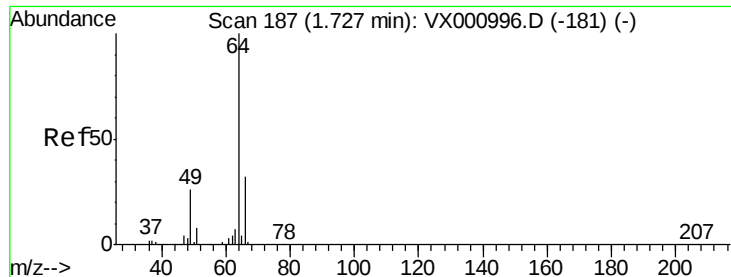
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.70 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

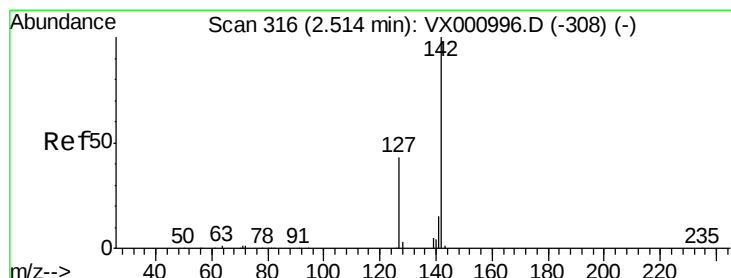
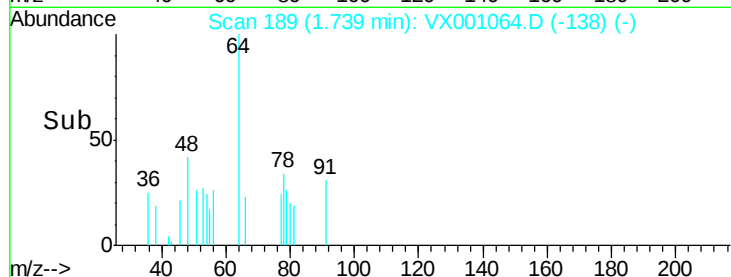
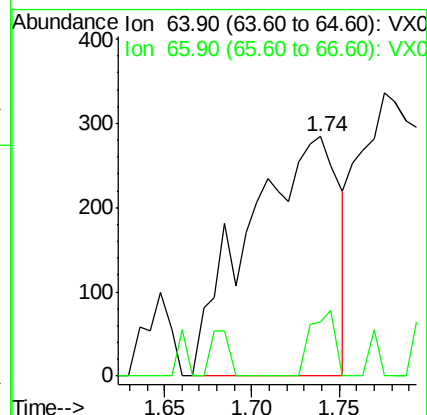
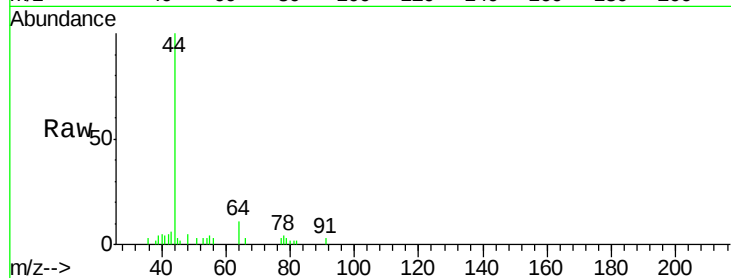
LF017MW004-180417

Tgt Ion: 64 Resp: 1018

Ion Ratio Lower Upper

64 100

66 22.9 25.3 37.9#



#10

Methyl Iodide

Concen: 7.62 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

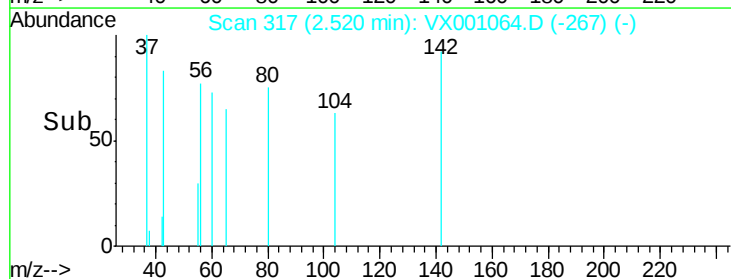
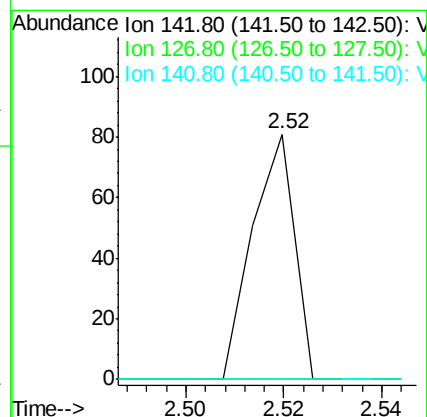
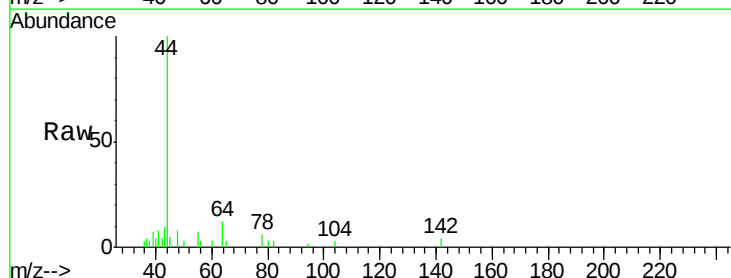
Tgt Ion: 142 Resp: 48

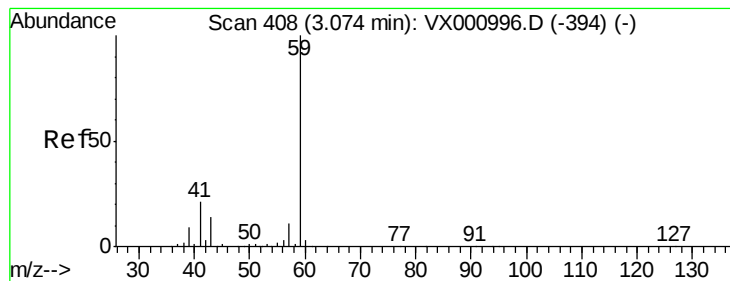
Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 3.67 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.05 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

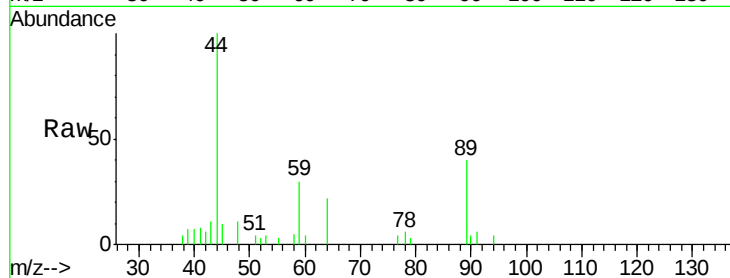
LF017MW004-180417

Tgt Ion: 59 Resp: 1428

Ion Ratio Lower Upper

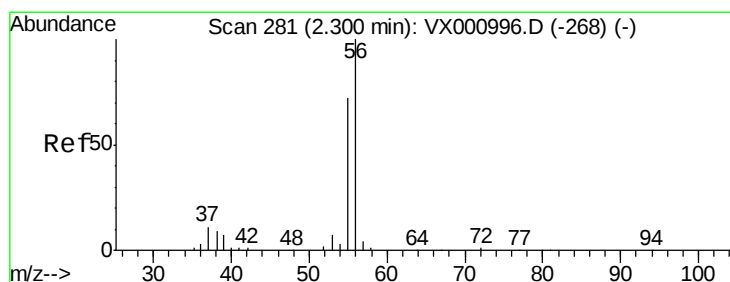
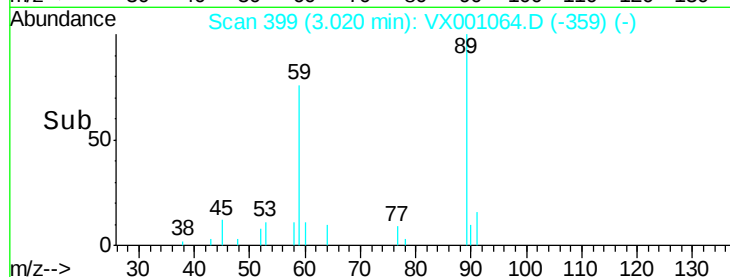
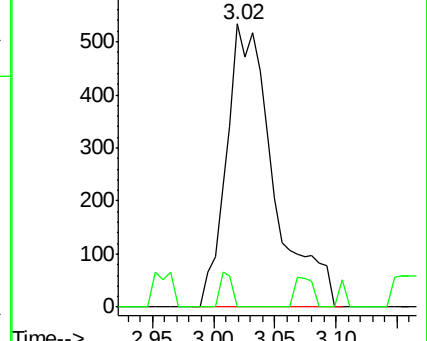
59 100

57 3.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 11.93 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001064.D

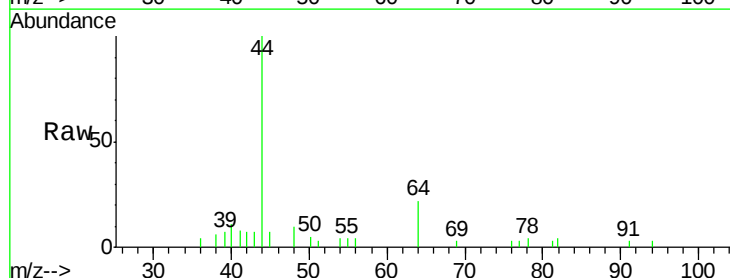
Acq: 23 Apr 2018 17:36

Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

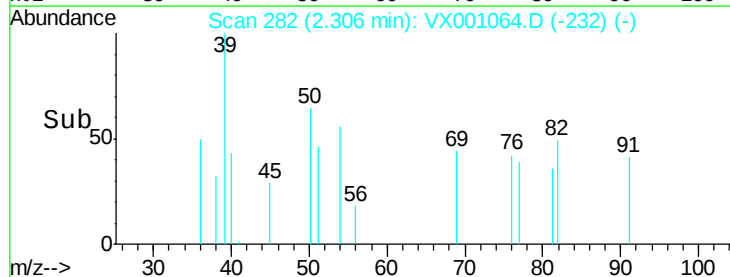
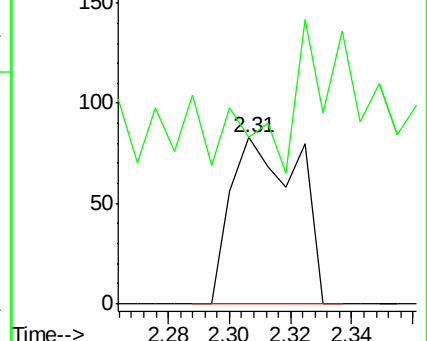
56 100

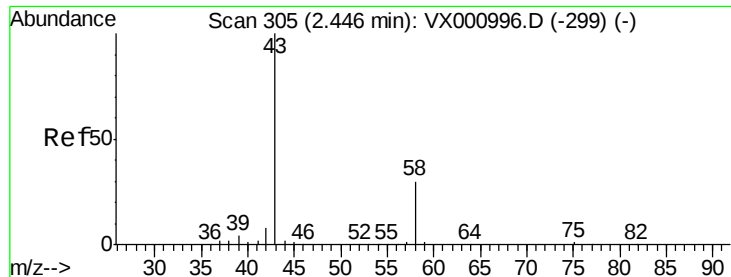
55 96.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.27 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

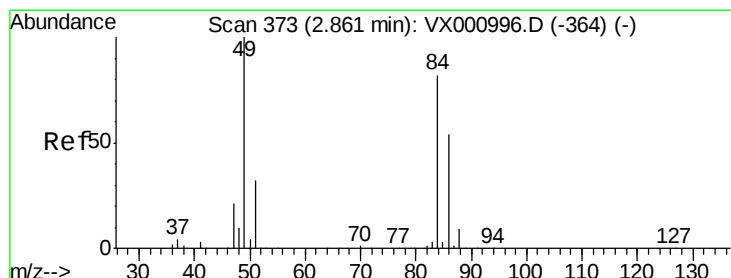
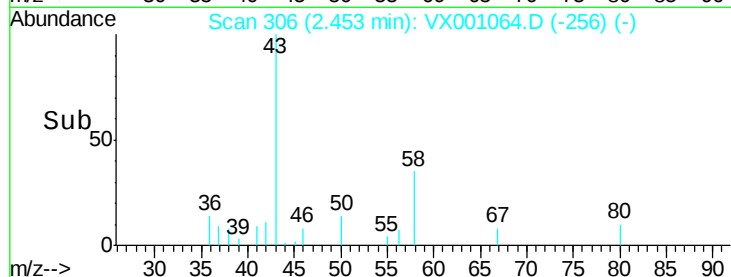
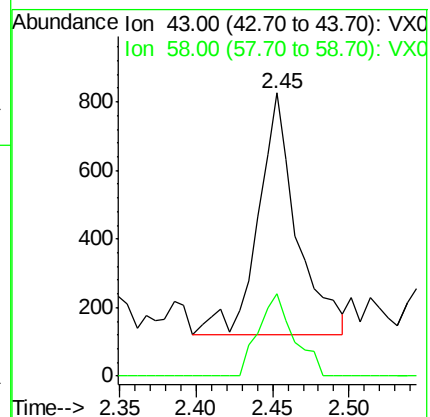
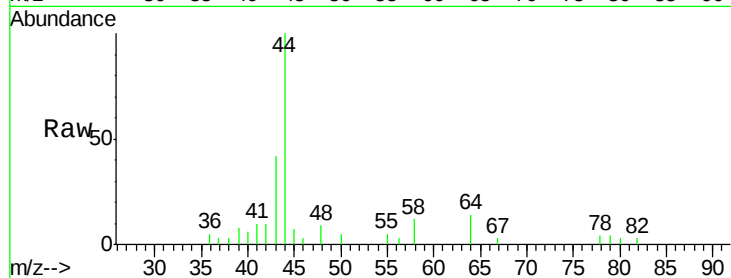
LF017MW004-180417

Tgt Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

58 34.4 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Tgt Ion: 84 Resp: 140

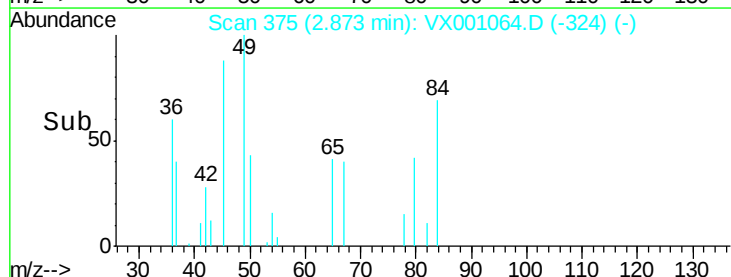
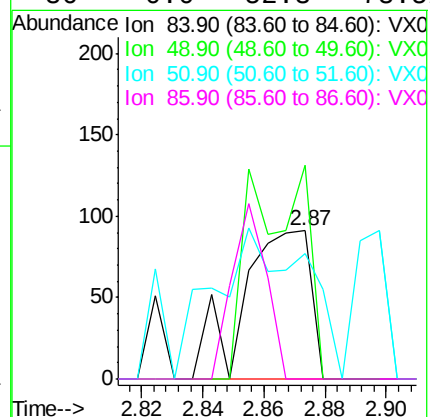
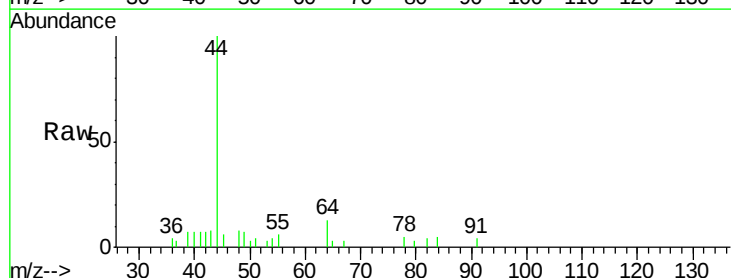
Ion Ratio Lower Upper

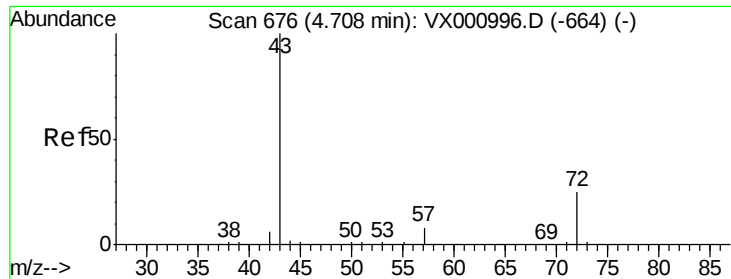
84 100

49 144.0 97.1 145.7

51 84.6 30.8 46.2#

86 0.0 52.3 78.5#





#25

2-Butanone

Concen: 0.84 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.07 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

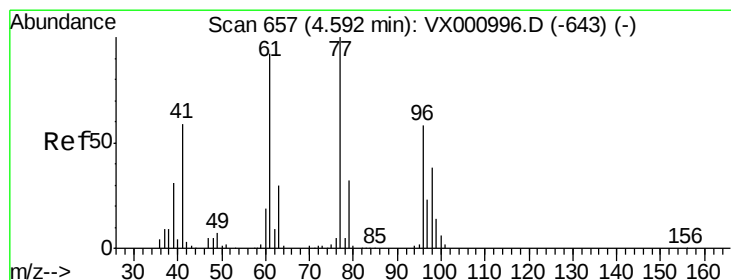
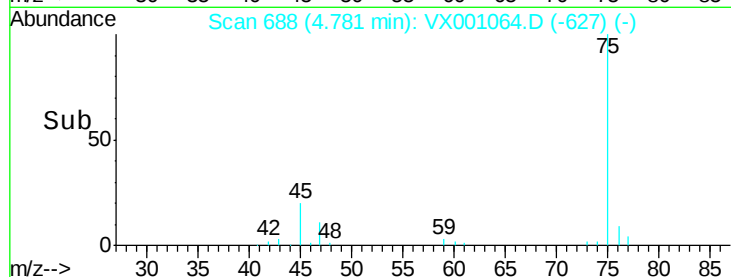
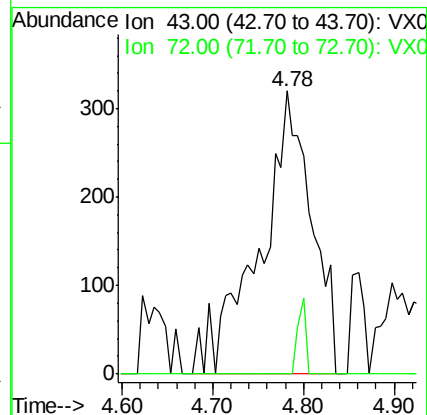
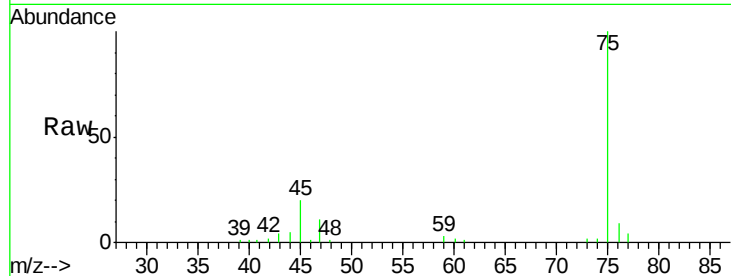
LF017MW004-180417

Tgt Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#26

2,2-Dichloropropane

Concen: 0.35 ug/l

RT: 4.78 min Scan# 687

Delta R.T. 0.18 min

Lab File: VX001064.D

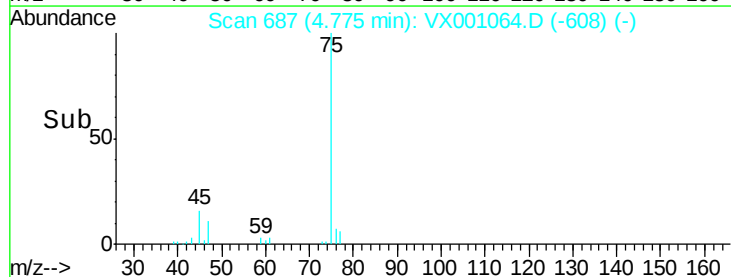
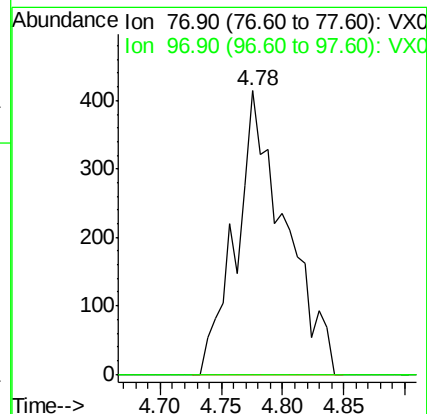
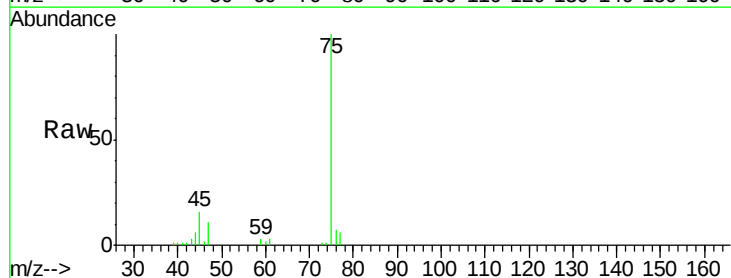
Acq: 23 Apr 2018 17:36

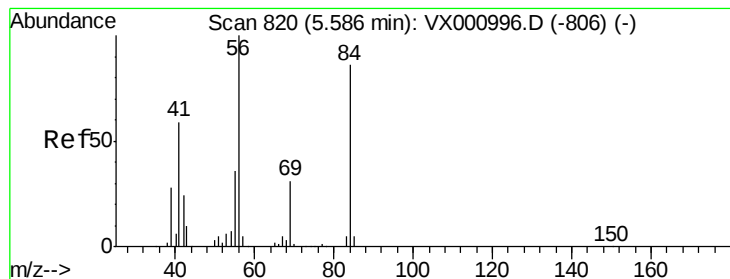
Tgt Ion: 77 Resp: 1158

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#





#31

Cyclohexane

Concen: 1.02 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-180417

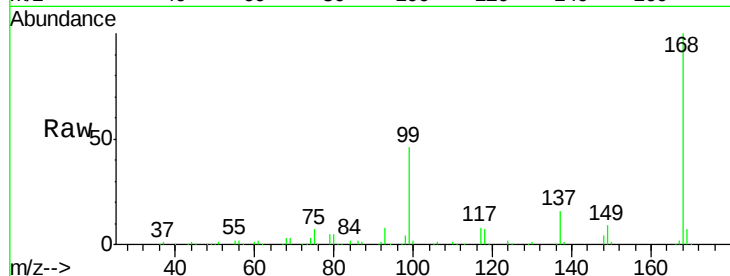
Tgt Ion: 56 Resp: 3722

Ion Ratio Lower Upper

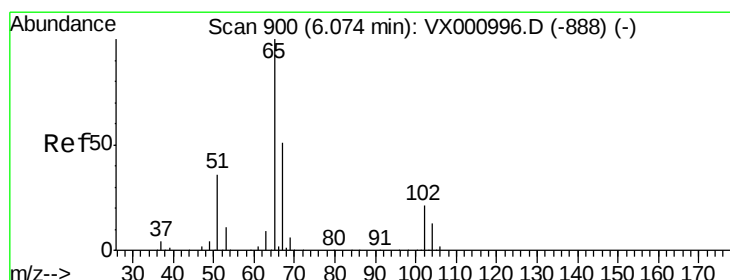
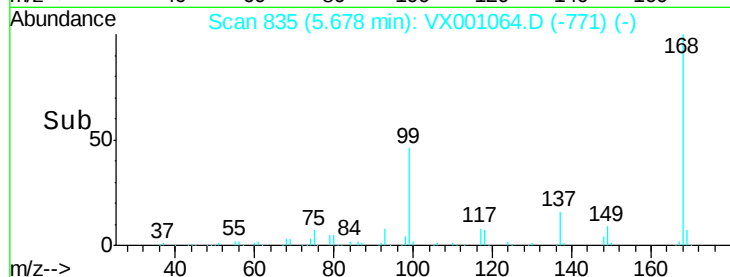
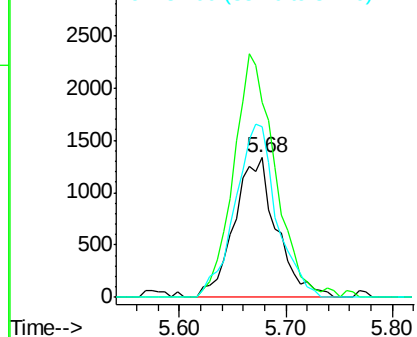
56 100

69 139.5 24.6 36.8#

84 122.0 69.0 103.6#



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: 52.05 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001064.D

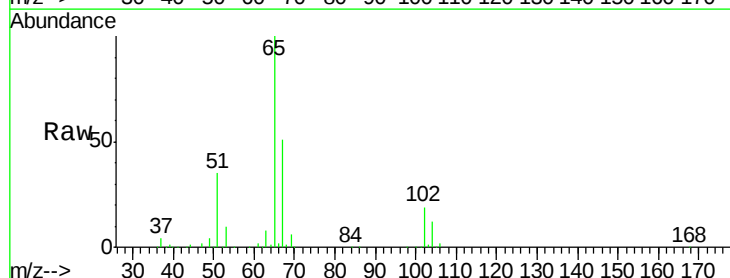
Acq: 23 Apr 2018 17:36

Tgt Ion: 65 Resp: 134120

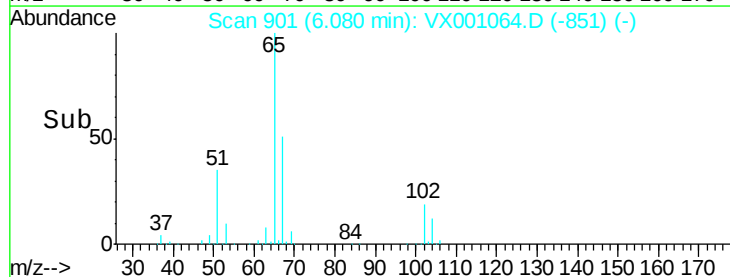
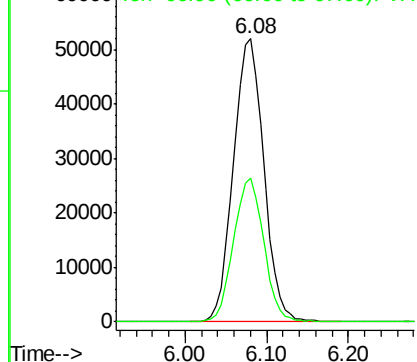
Ion Ratio Lower Upper

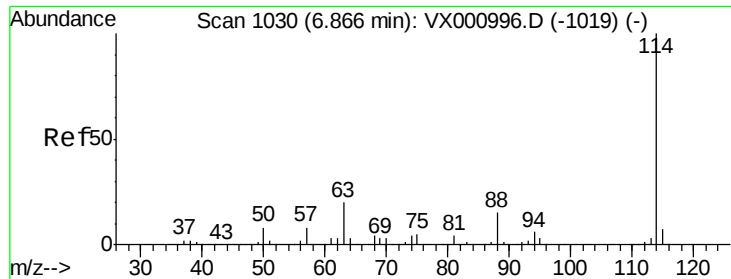
65 100

67 50.5 0.0 102.6



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

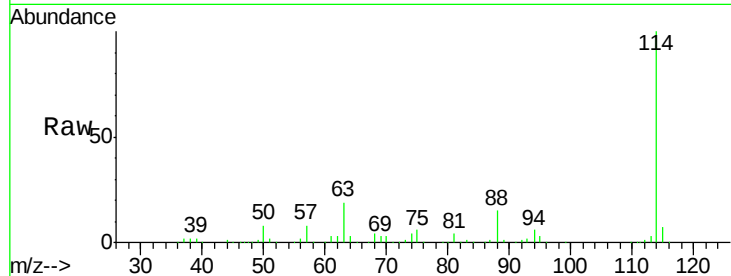




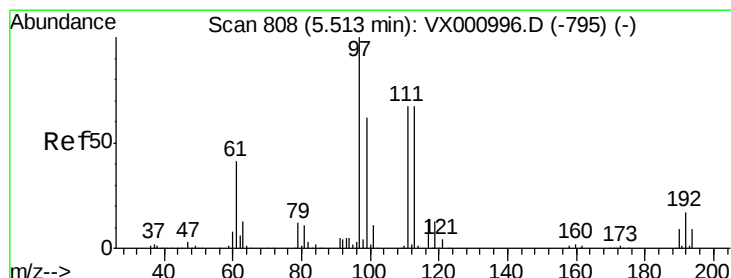
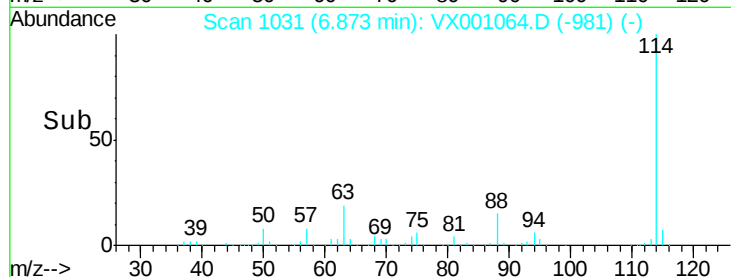
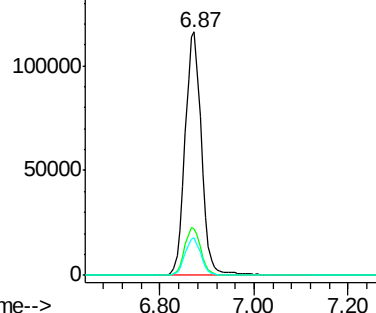
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001064.D
 Acq: 23 Apr 2018 17:36

Instrument :
 MSVOA_X
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 LF017MW004-180417

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.4
88	15.3	0.0	29.8

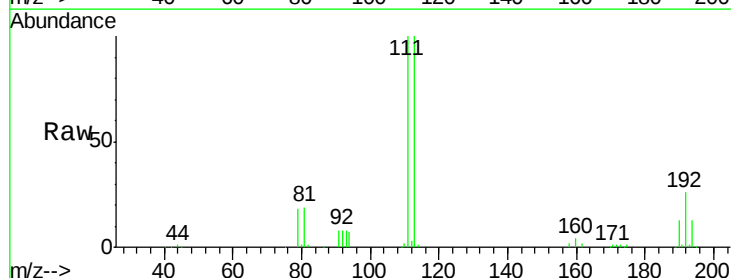


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

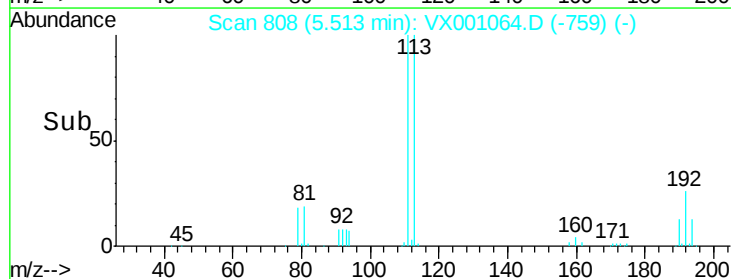
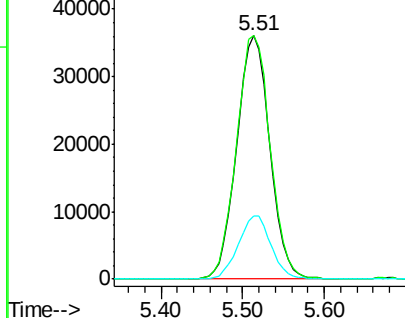


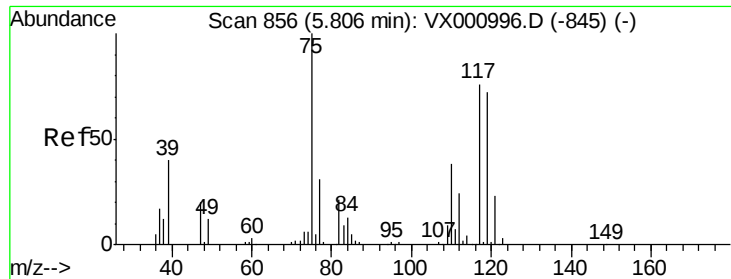
#35
 Dibromofluoromethane
 Concen: 47.40 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001064.D
 Acq: 23 Apr 2018 17:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.2
192	25.6	20.4	30.6



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

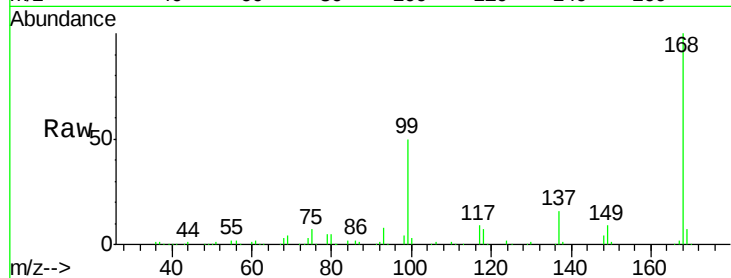




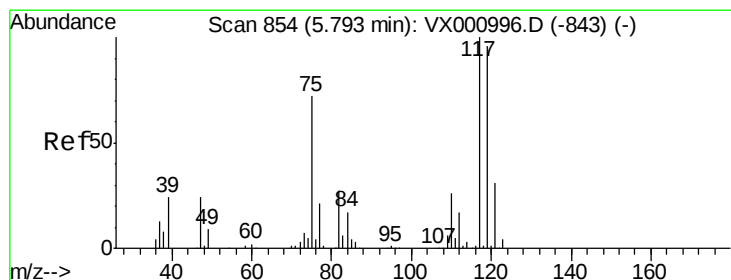
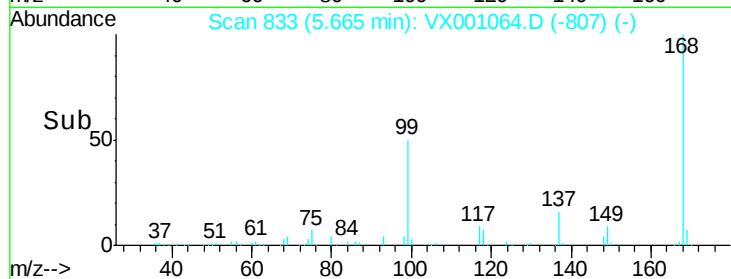
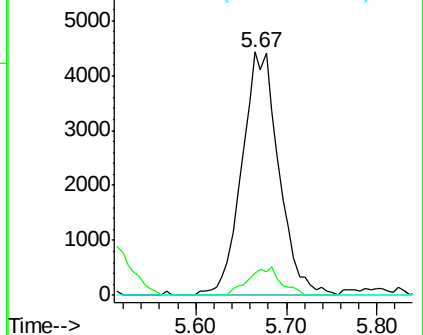
#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001064.D
 Acq: 23 Apr 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-180417

Tgt Ion: 75 Resp: 12554
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.7 56.1#
 77 0.0 25.0 37.4#

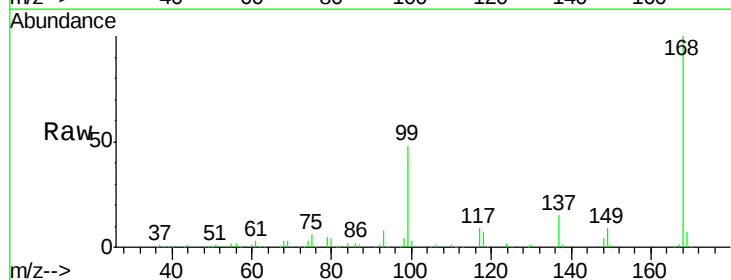


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

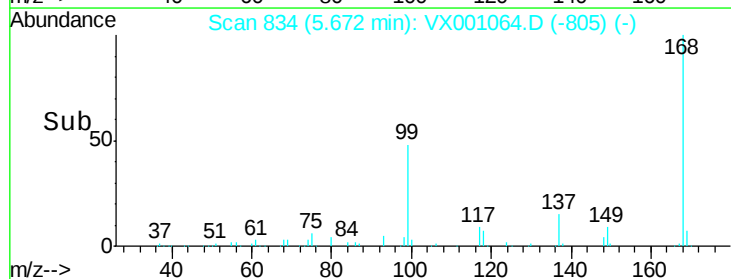
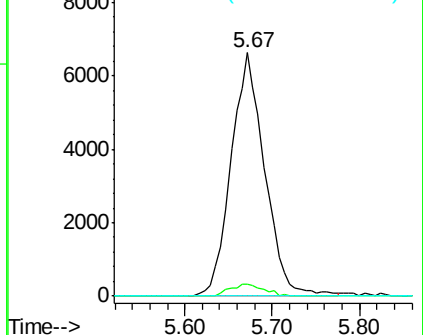


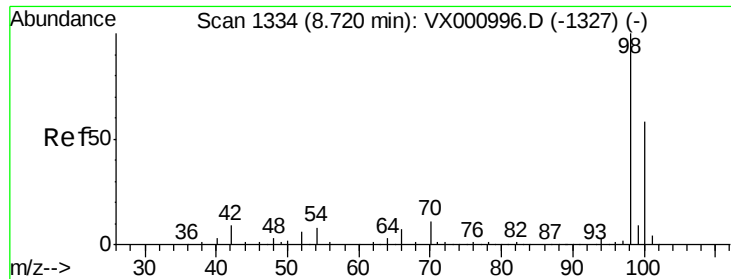
#38
 Carbon Tetrachloride
 Concen: 5.29 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001064.D
 Acq: 23 Apr 2018 17:36

Tgt Ion: 117 Resp: 17718
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.5 114.7#
 121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

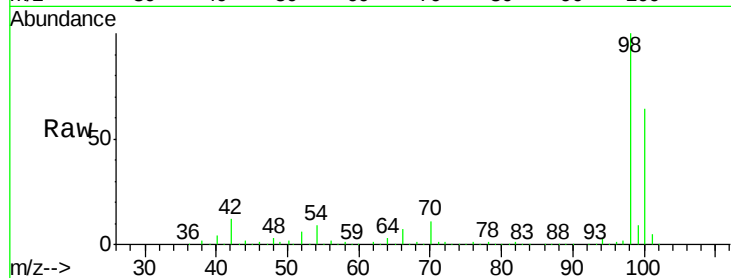
LF017MW004-180417

Tgt Ion: 98 Resp: 387178

Ion Ratio Lower Upper

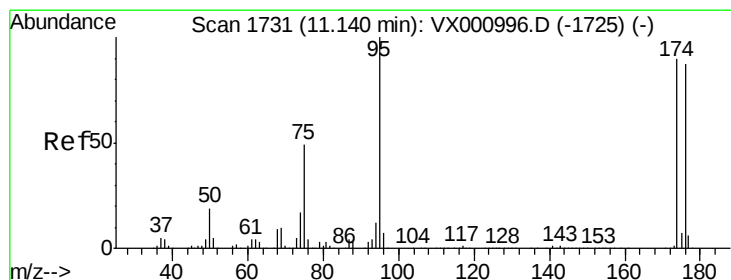
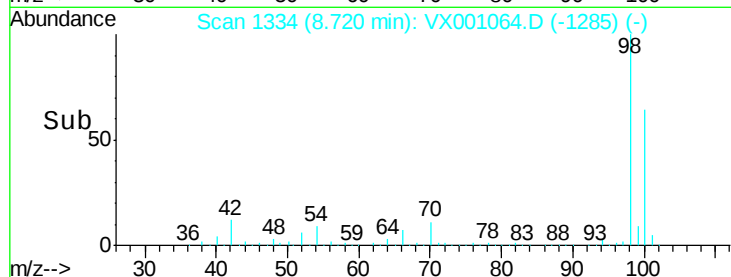
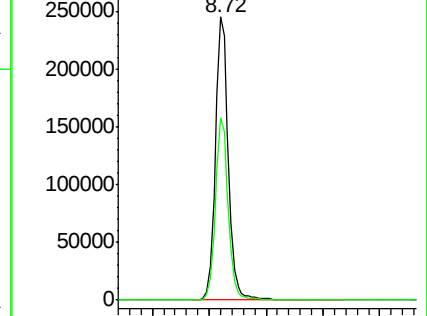
98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 40.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

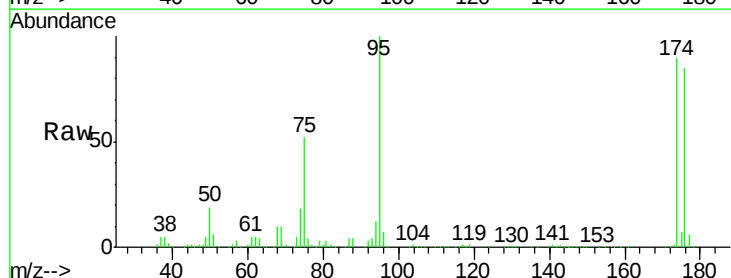
Tgt Ion: 95 Resp: 134428

Ion Ratio Lower Upper

95 100

174 96.8 0.0 198.4

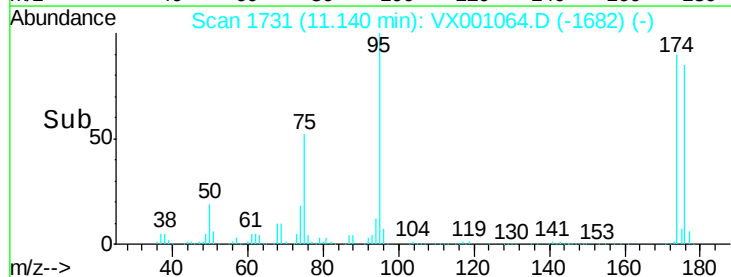
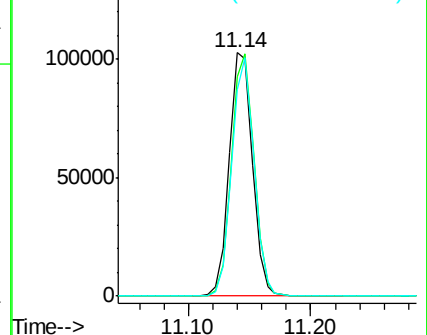
176 94.0 0.0 192.0

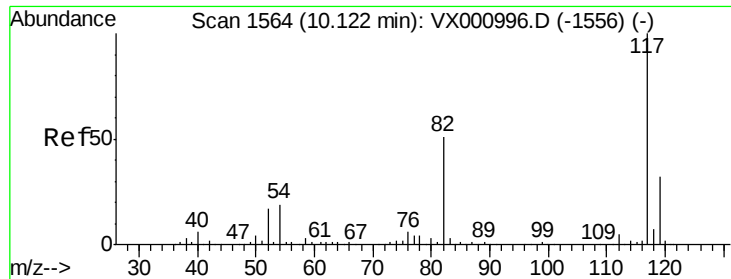


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

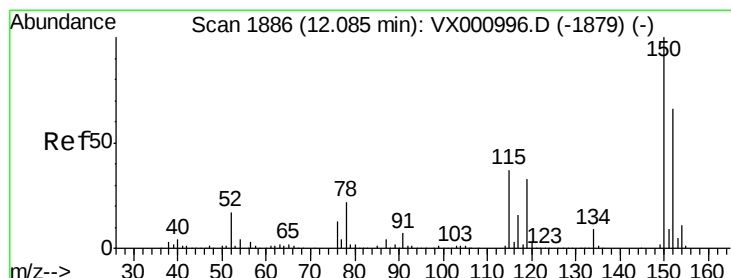
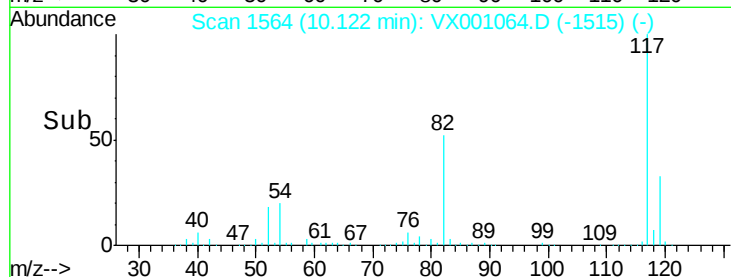
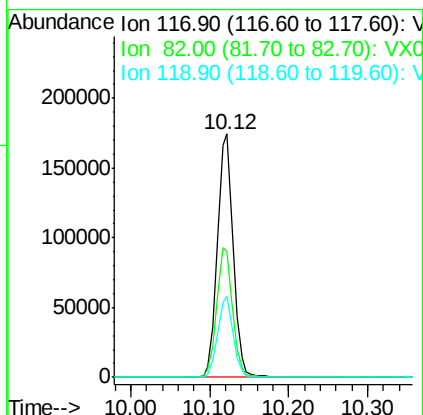
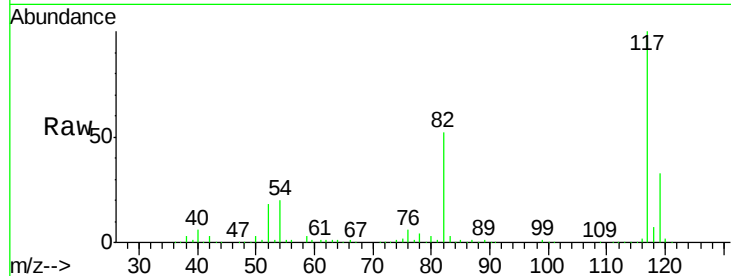




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001064.D
Acq: 23 Apr 2018 17:36

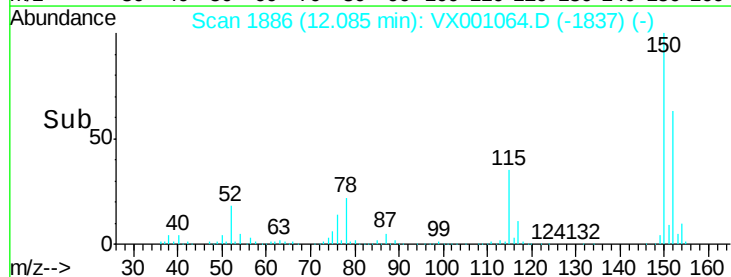
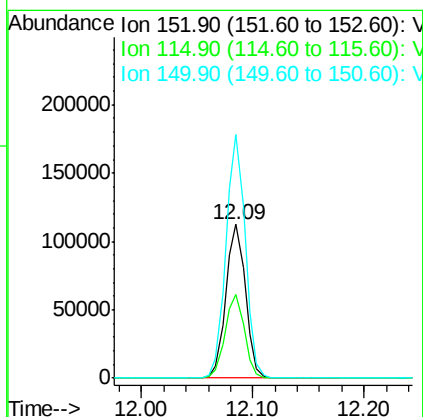
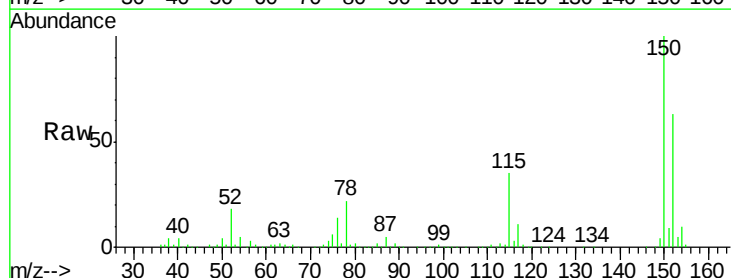
Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-180417

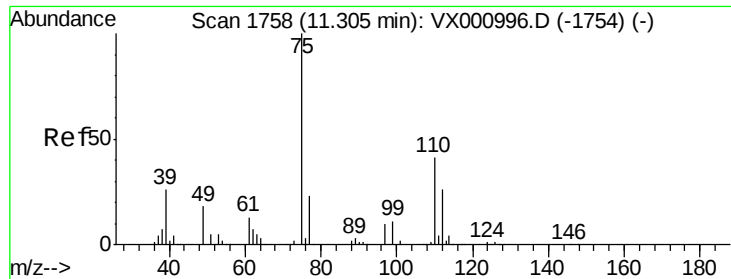
Tgt Ion:117 Resp: 245385
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 33.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001064.D
Acq: 23 Apr 2018 17:36

Tgt Ion:152 Resp: 136764
Ion Ratio Lower Upper
152 100
115 54.2 38.2 114.6
150 156.3 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 28.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

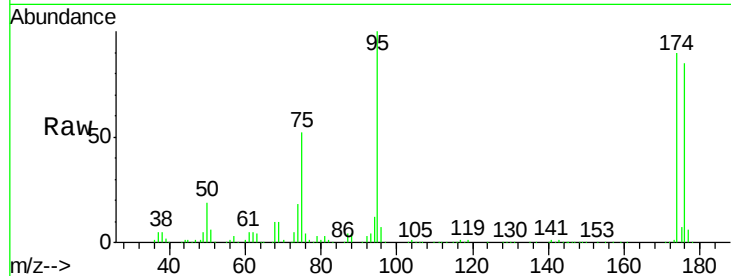
LF017MW004-180417

Tgt Ion: 75 Resp: 68069

Ion Ratio Lower Upper

75 100

77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

60000

50000

40000

30000

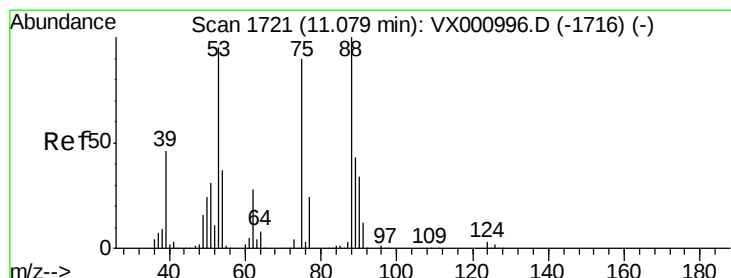
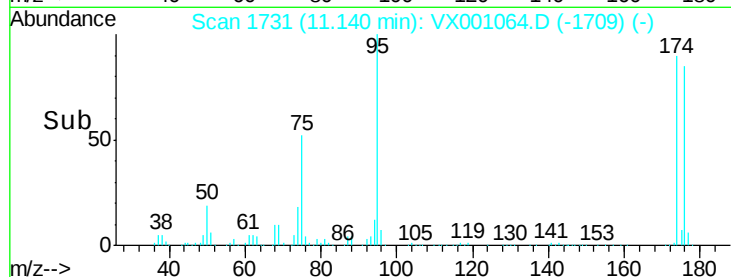
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 85.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001064.D

Acq: 23 Apr 2018 17:36

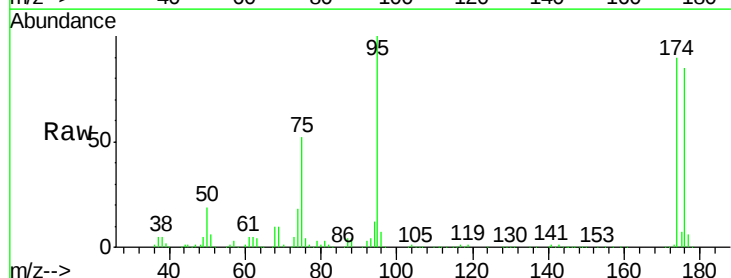
Tgt Ion: 75 Resp: 68069

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



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

11.14

60000

40000

20000

0

Time-->

11.10 11.15 11.20

