

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000878.D
 Acq On : 14 Apr 2018 16:43
 Operator : JC/MD
 Sample : J2353-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF028MW018-180411

Quant Time: Apr 16 05:51:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	241325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183692	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	141825	46.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.22%	
35) Dibromofluoromethane	5.51	113	114540	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	
50) Toluene-d8	8.73	98	442298	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.15	95	166825	43.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.94%	

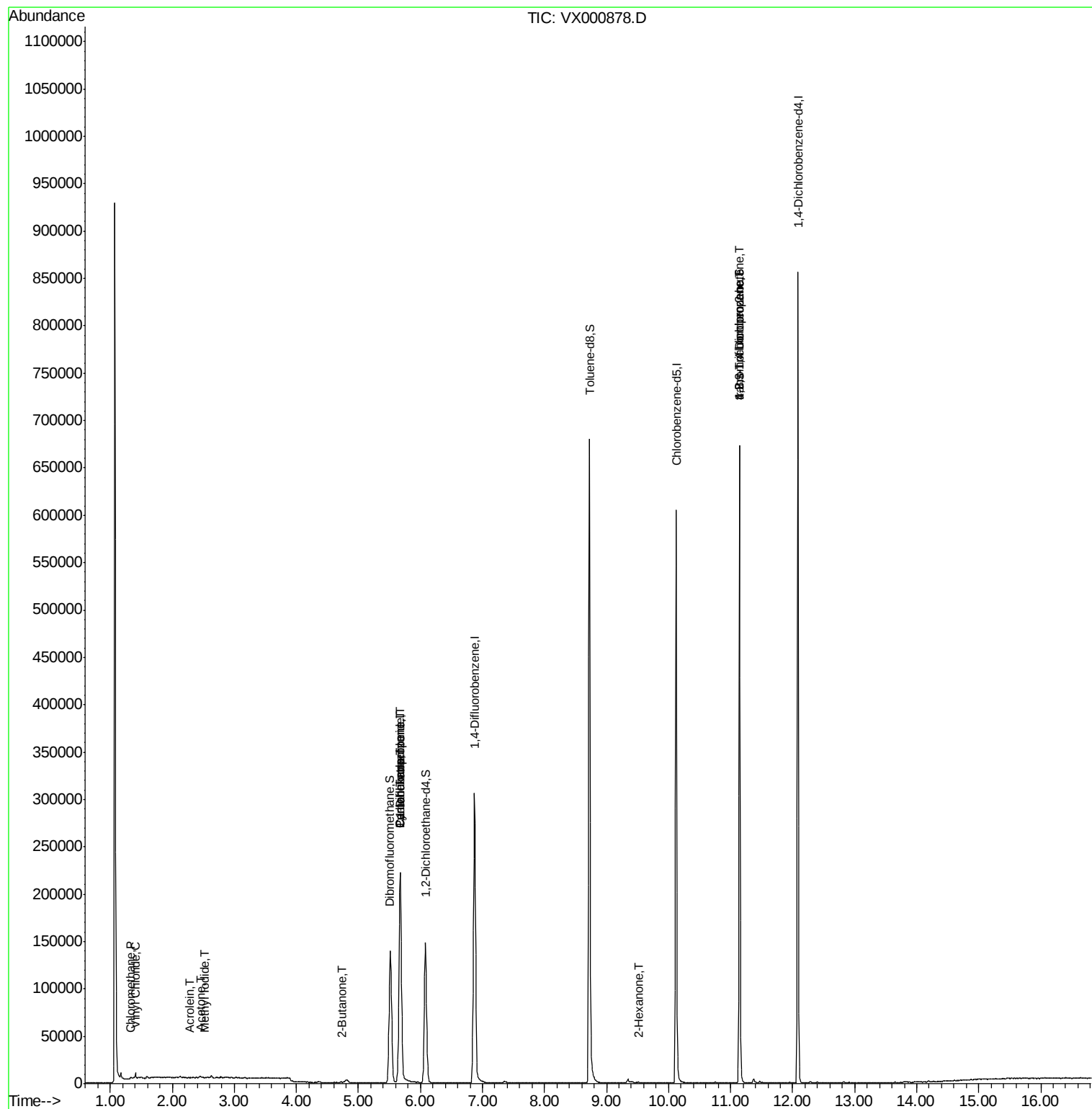
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	733	0.31	ug/l	98
4) Vinyl Chloride	1.40	62	2963	1.13	ug/l	94
5) Bromomethane	1.65	94	371	Below Cal	#	51
10) Methyl Iodide	2.53	142	225	8.33	ug/l #	42
13) Acrolein	2.28	56	90	0.34	ug/l #	51
16) Acetone	2.45	43	1872	1.78	ug/l	99
25) 2-Butanone	4.73	43	443	0.26	ug/l	97
31) Cyclohexane	5.67	56	4218	1.05	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	14761	4.15	ug/l #	48
38) Carbon Tetrachloride	5.67	117	20039	5.03	ug/l #	16
59) 2-Hexanone	9.51	43	732	0.27	ug/l #	49
76) 1,2,3-Trichloropropane	11.15	75	82235	25.96	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	82235	71.41	ug/l #	11

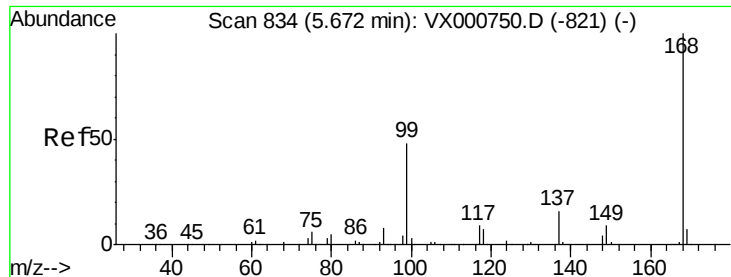
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

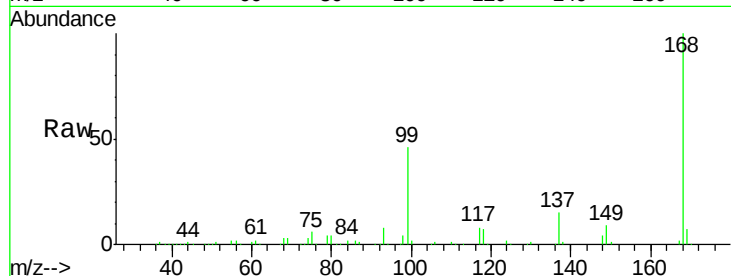
LF028MW018-180411

Tgt Ion:168 Resp: 241325

Ion Ratio Lower Upper

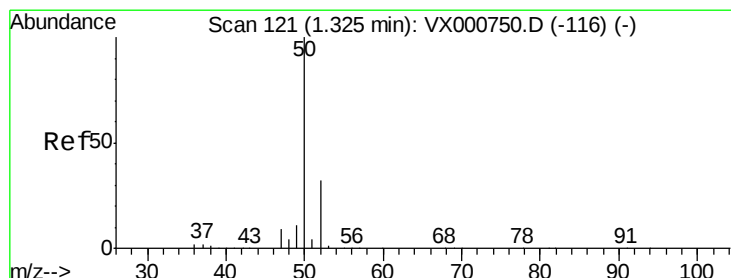
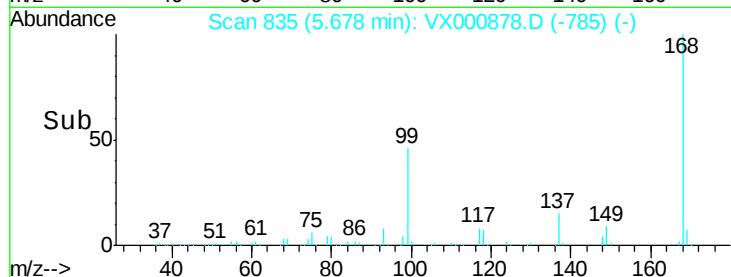
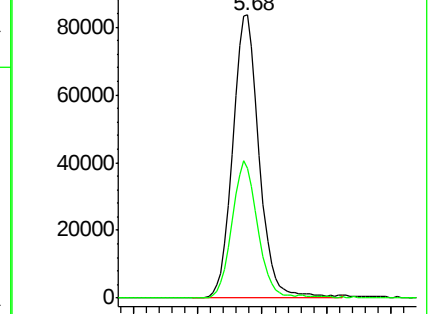
168 100

99 45.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000878.D

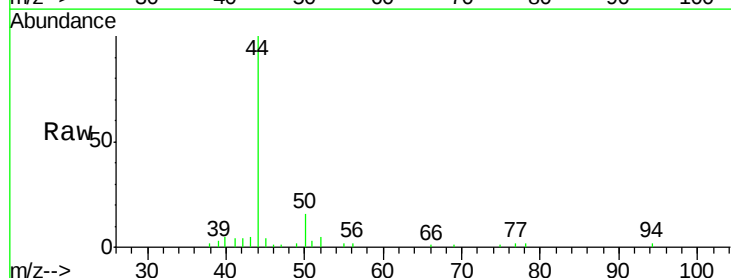
Acq: 14 Apr 2018 16:43

Tgt Ion: 50 Resp: 733

Ion Ratio Lower Upper

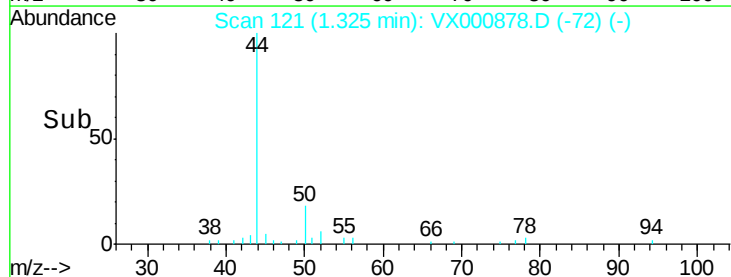
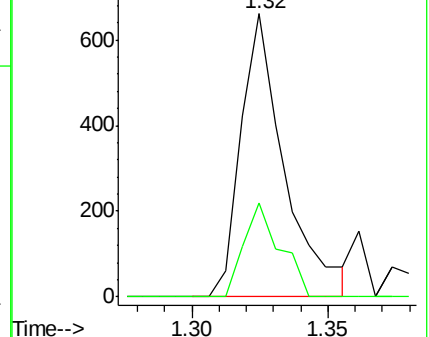
50 100

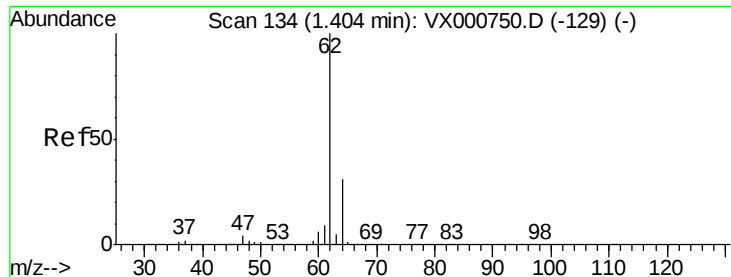
52 33.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.13 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

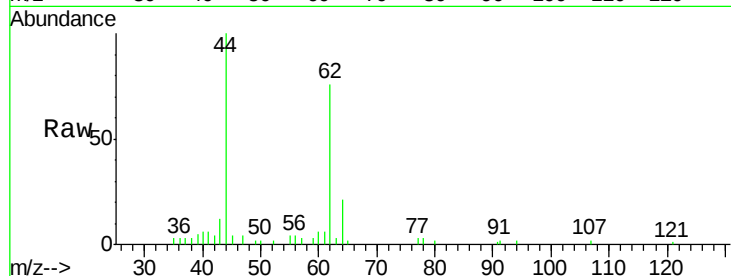
LF028MW018-180411

Tgt Ion: 62 Resp: 2963

Ion Ratio Lower Upper

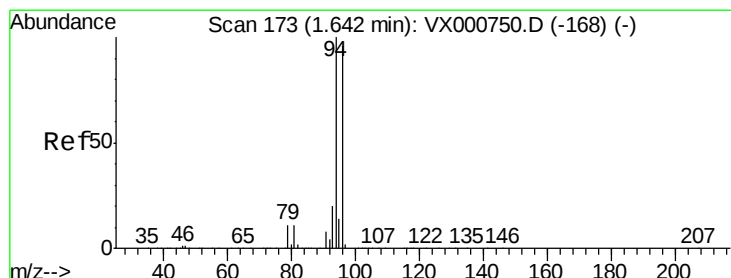
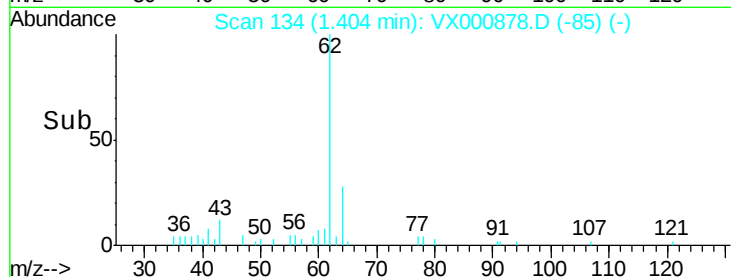
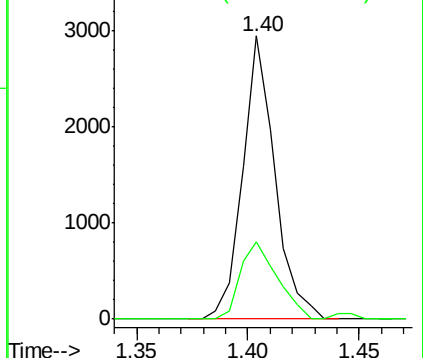
62 100

64 27.5 24.6 36.8



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: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000878.D

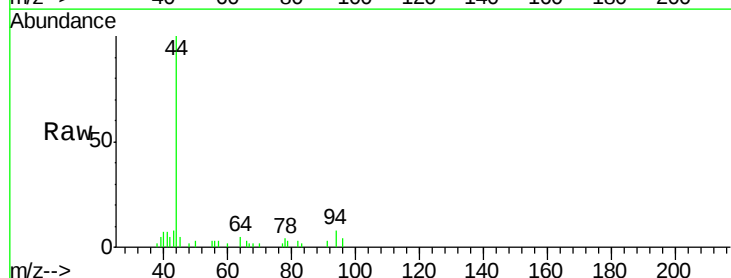
Acq: 14 Apr 2018 16:43

Tgt Ion: 94 Resp: 371

Ion Ratio Lower Upper

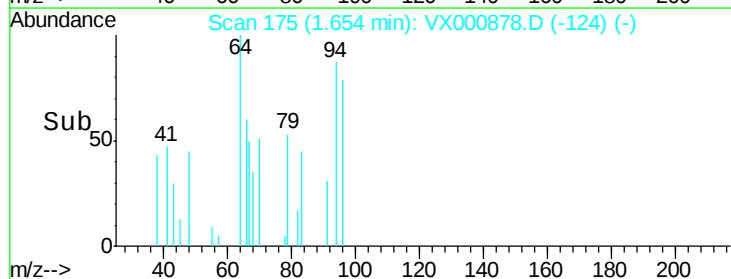
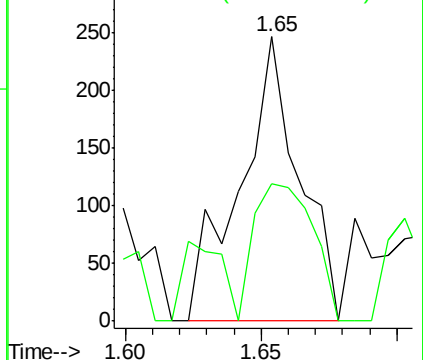
94 100

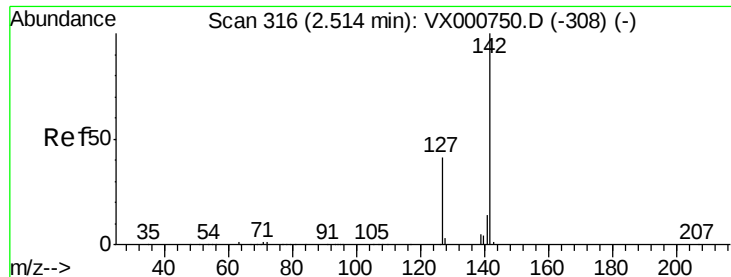
96 48.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 8.33 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

LF028MW018-180411

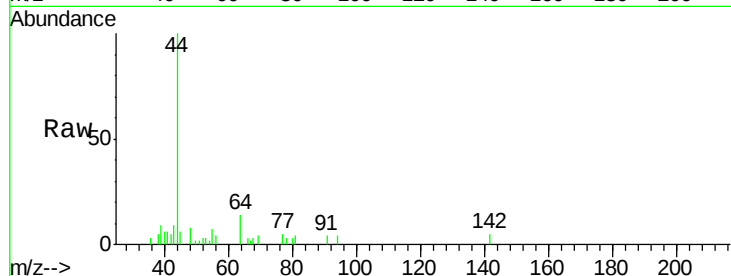
Tgt Ion:142 Resp: 225

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

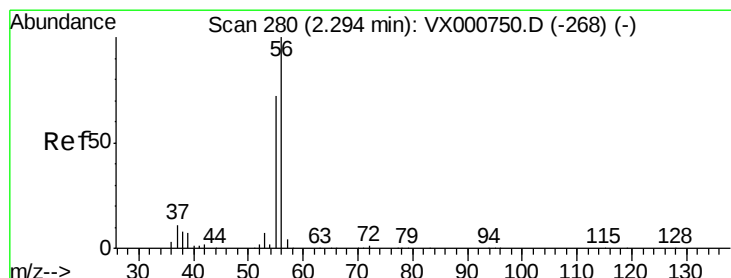
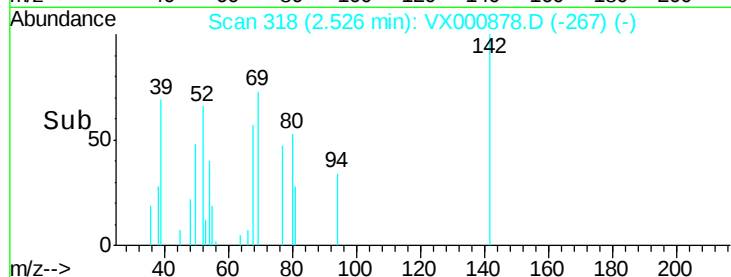
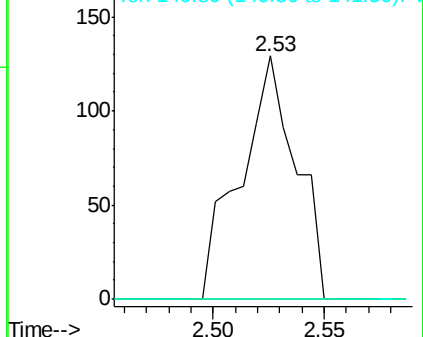
141 0.0 11.5 17.3#



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



#13

Acrolein

Concen: 0.34 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX000878.D

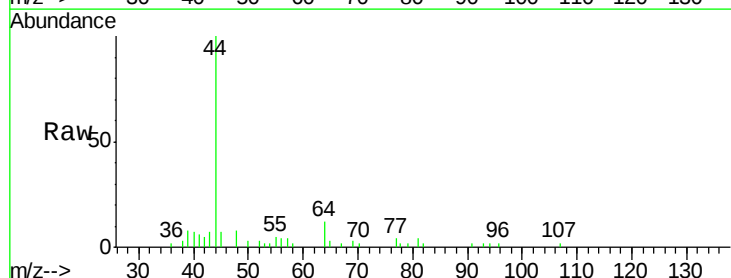
Acq: 14 Apr 2018 16:43

Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

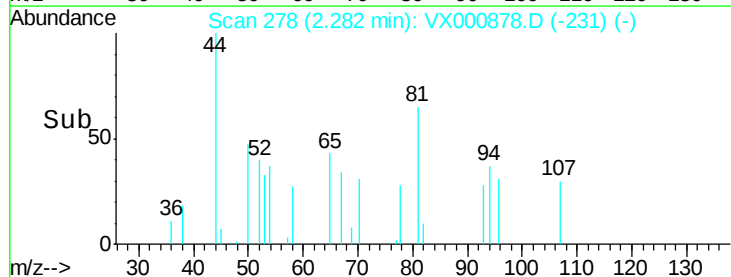
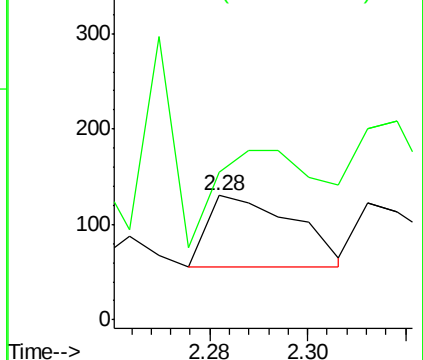
56 100

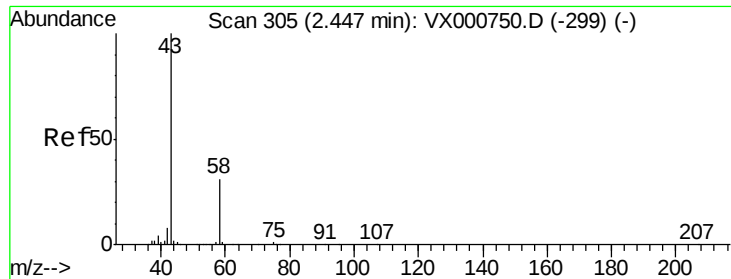
55 32.2 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

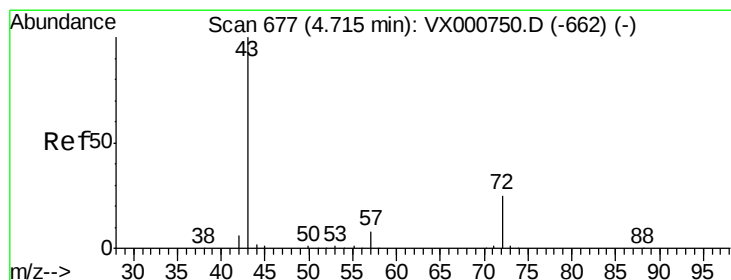
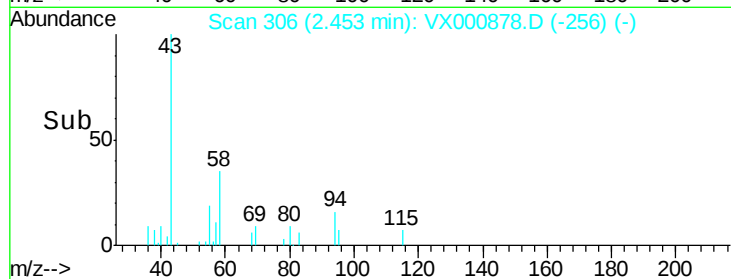
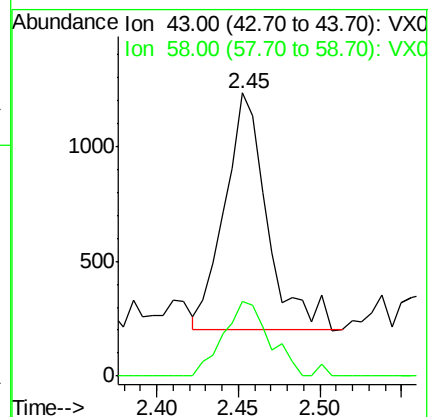
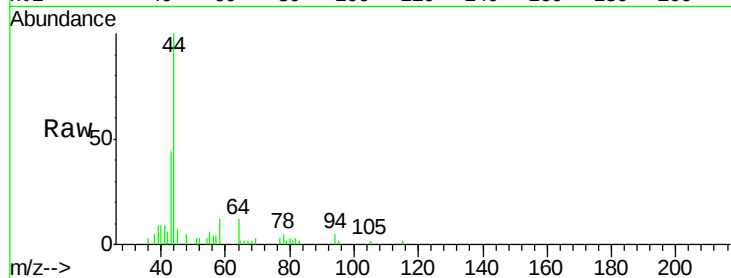
LF028MW018-180411

Tgt Ion: 43 Resp: 1872

Ion Ratio Lower Upper

43 100

58 31.6 24.6 37.0



#25

2-Butanone

Concen: 0.26 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000878.D

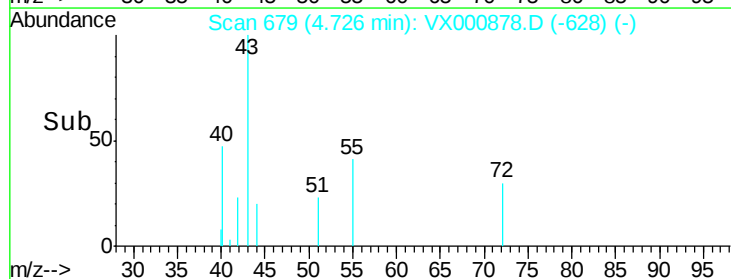
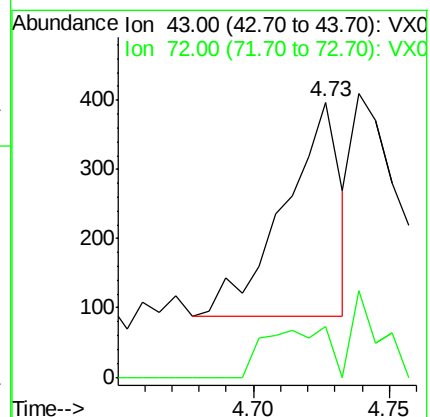
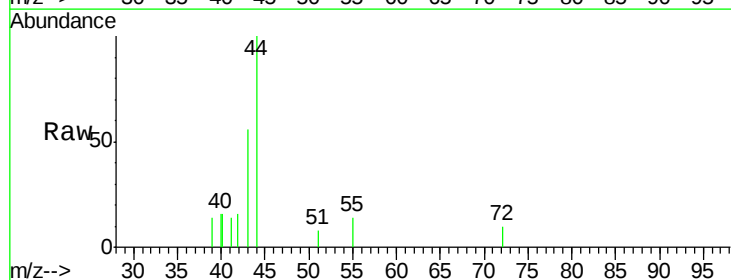
Acq: 14 Apr 2018 16:43

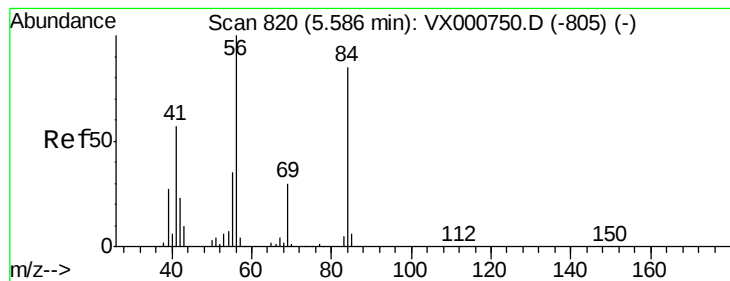
Tgt Ion: 43 Resp: 443

Ion Ratio Lower Upper

43 100

72 23.9 20.3 30.5





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

LF028MW018-180411

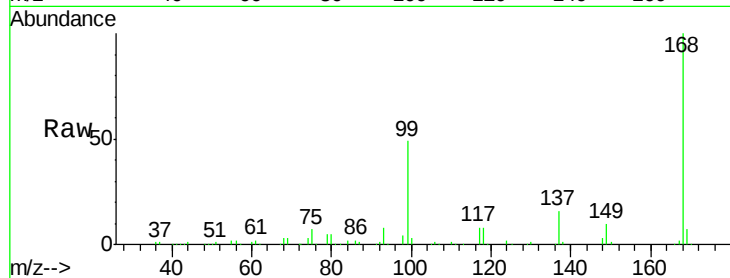
Tgt Ion: 56 Resp: 4218

Ion Ratio Lower Upper

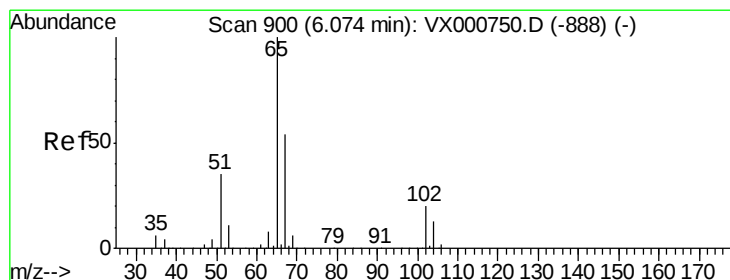
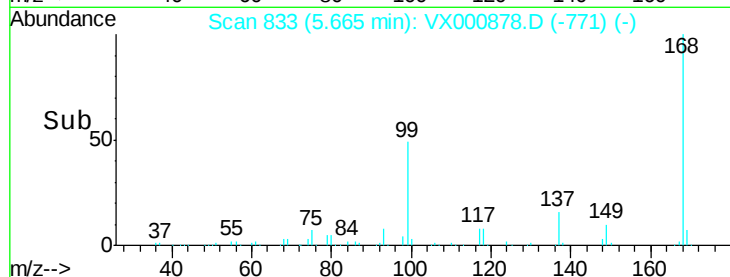
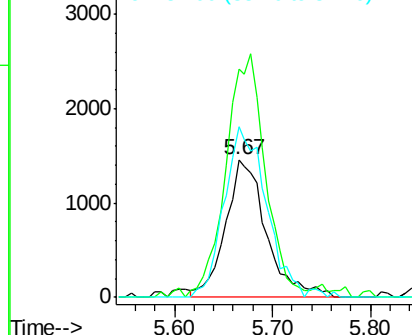
56 100

69 160.9 24.2 36.4#

84 123.4 67.6 101.4#



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: 46.61 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000878.D

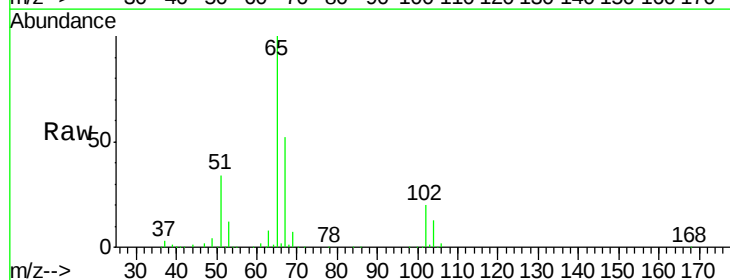
Acq: 14 Apr 2018 16:43

Tgt Ion: 65 Resp: 141825

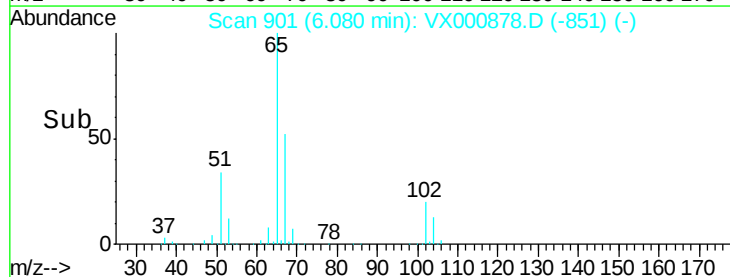
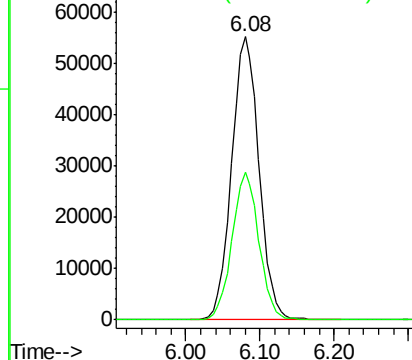
Ion Ratio Lower Upper

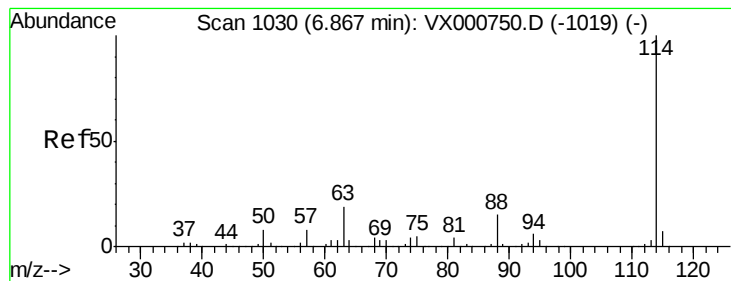
65 100

67 51.2 0.0 103.8



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: VX000878.D

Acq: 14 Apr 2018 16:43

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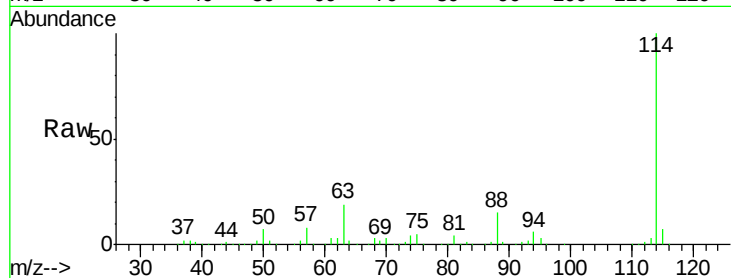
Tgt Ion:114 Resp: 323328

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

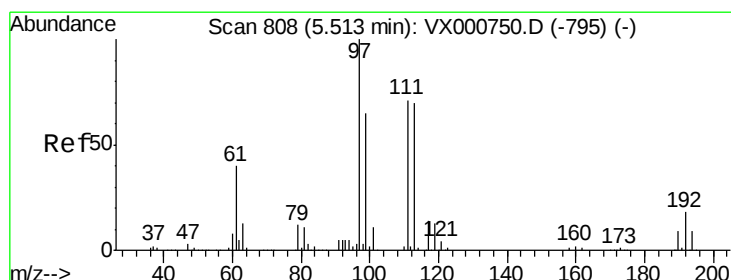
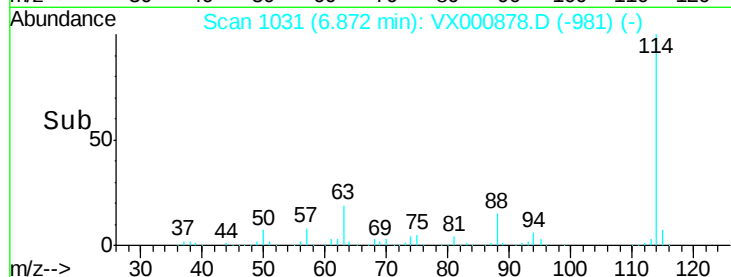
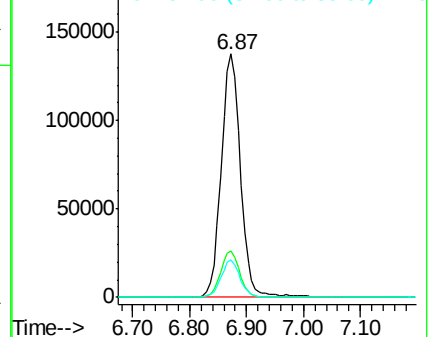
88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.98 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

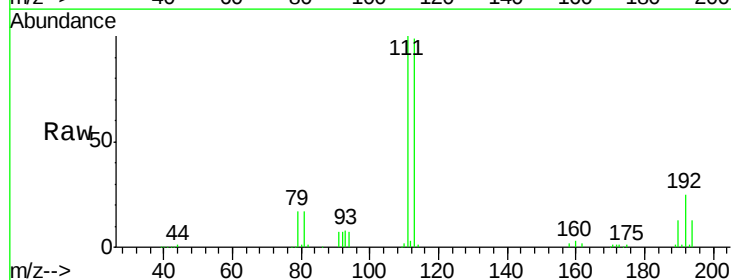
Tgt Ion:113 Resp: 114540

Ion Ratio Lower Upper

113 100

111 100.9 81.5 122.3

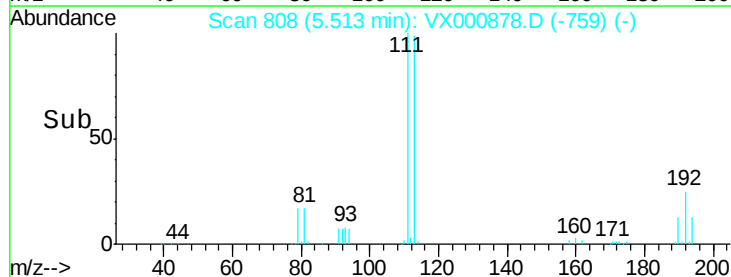
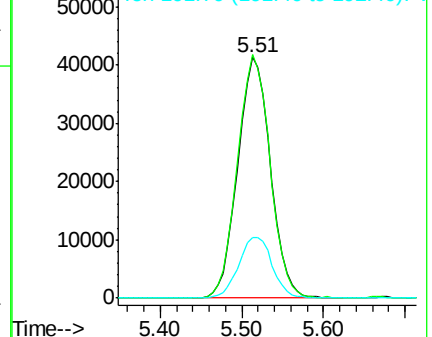
192 25.9 20.4 30.6

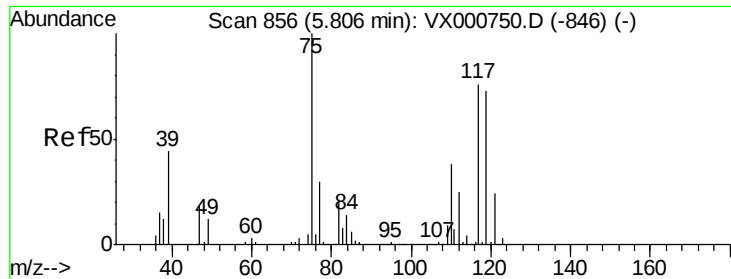


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

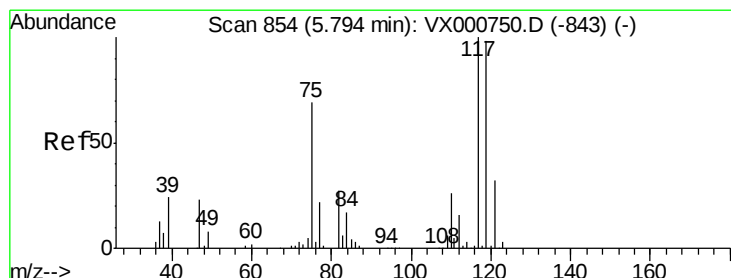
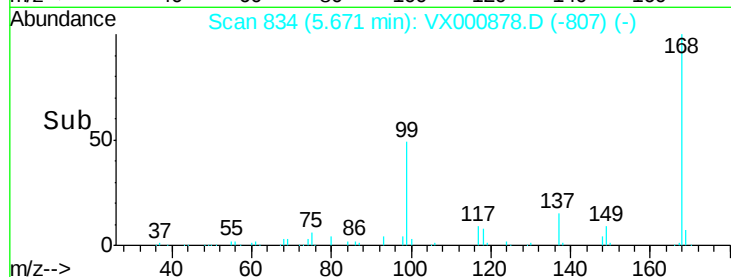
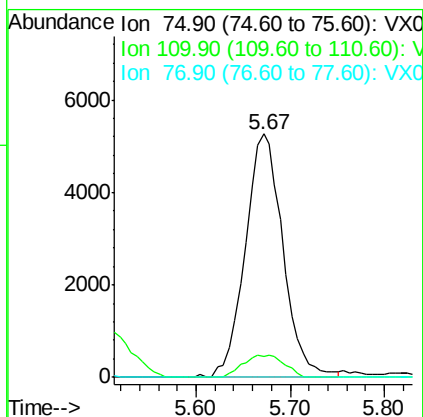
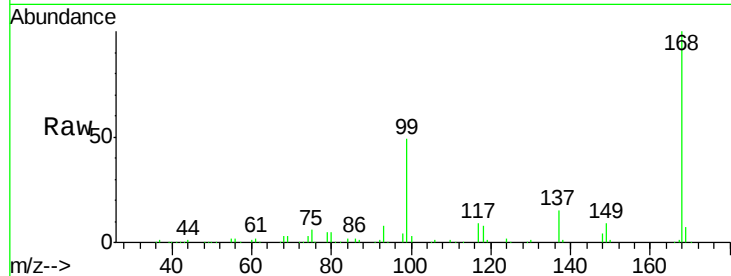




#36
 1,1-Dichloropropene
 Concen: 4.15 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000878.D
 Acq: 14 Apr 2018 16:43

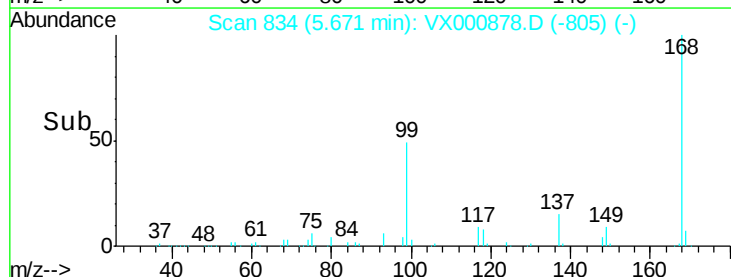
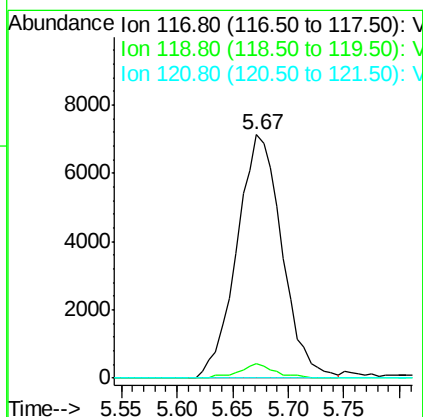
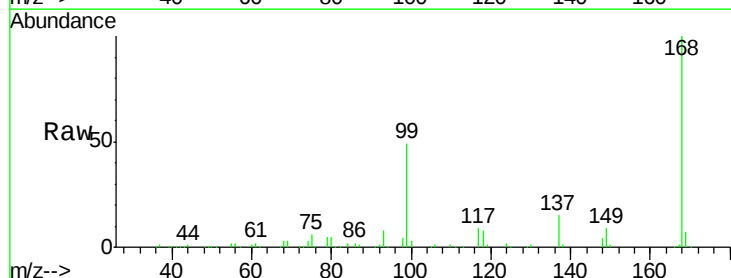
Instrument :
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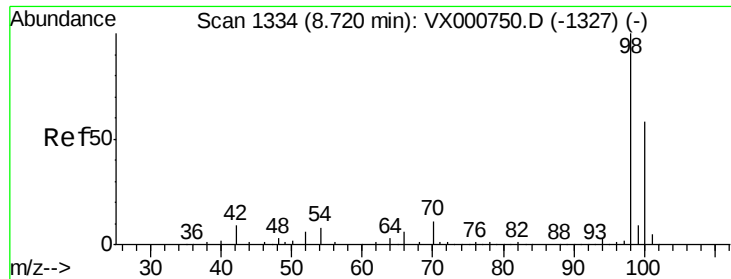
Tgt Ion: 75 Resp: 14761
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.03 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000878.D
 Acq: 14 Apr 2018 16:43

Tgt Ion: 117 Resp: 20039
 Ion Ratio Lower Upper
 117 100
 119 6.0 78.4 117.6#
 121 0.0 25.4 38.0#

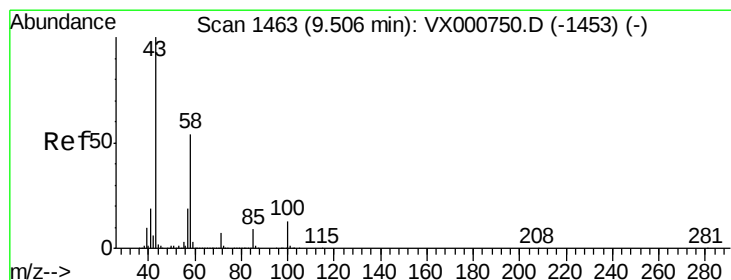
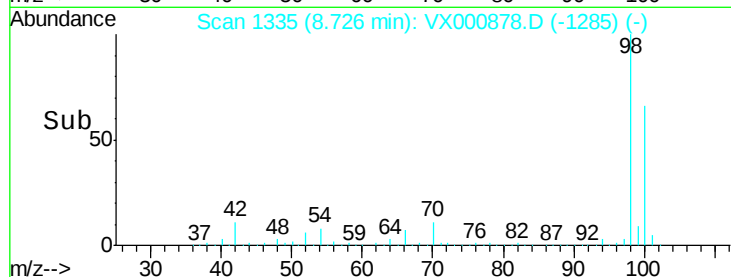
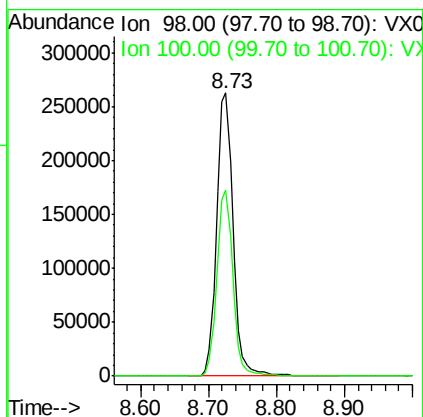
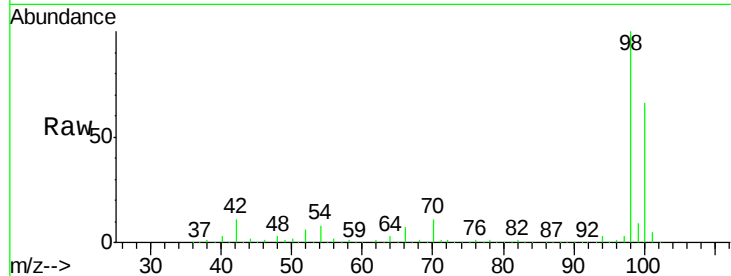




#50
Toluene-d8
Concen: 47.69 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000878.D
Acq: 14 Apr 2018 16:43

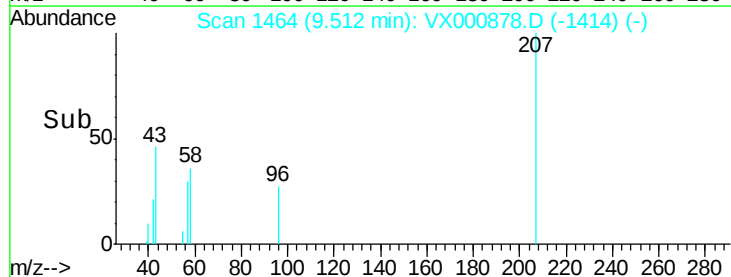
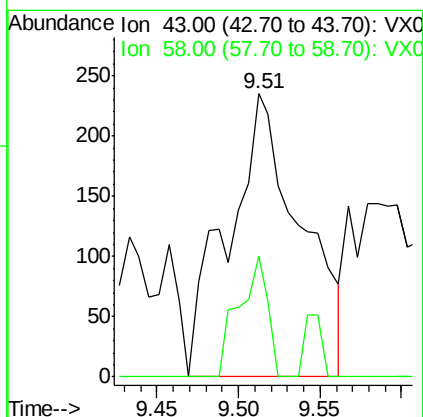
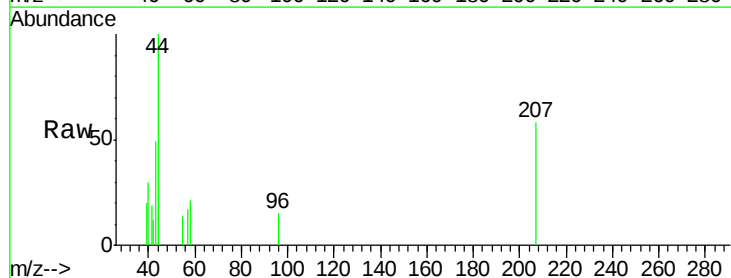
Instrument :
MSVOA_X
ClientSampleId :
LF028MW018-180411

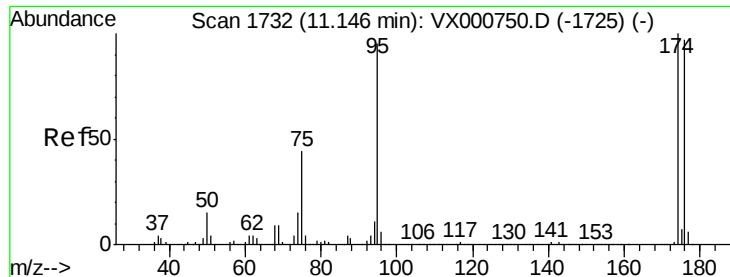
Tgt Ion: 98 Resp: 442298
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



#59
2-Hexanone
Concen: 0.27 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000878.D
Acq: 14 Apr 2018 16:43

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 17.1 26.5 79.5#

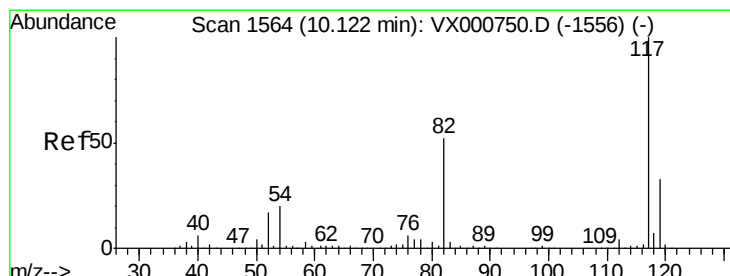
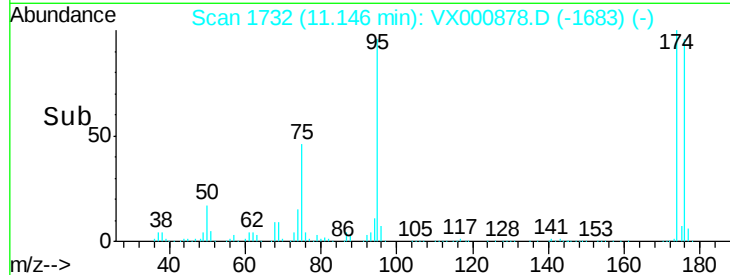
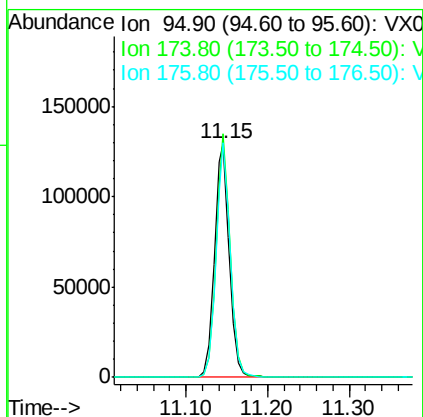
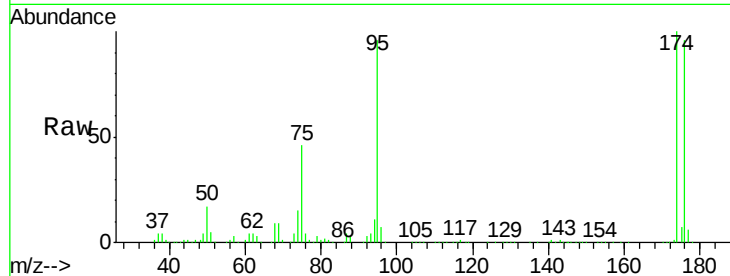




#62
 4-Bromofluorobenzene
 Concen: 43.47 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000878.D
 Acq: 14 Apr 2018 16:43

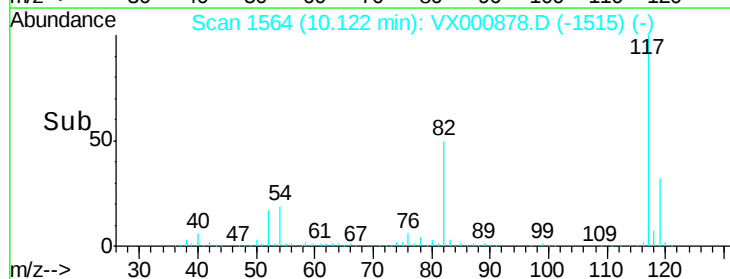
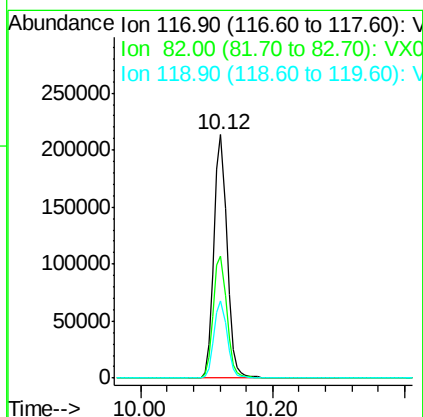
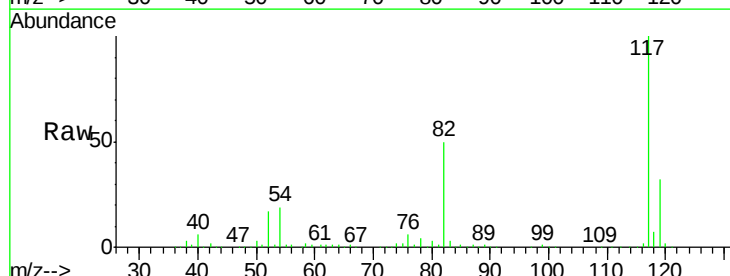
Instrument :
 MSVOA_X
 ClientSampleId :
 LF028MW018-180411

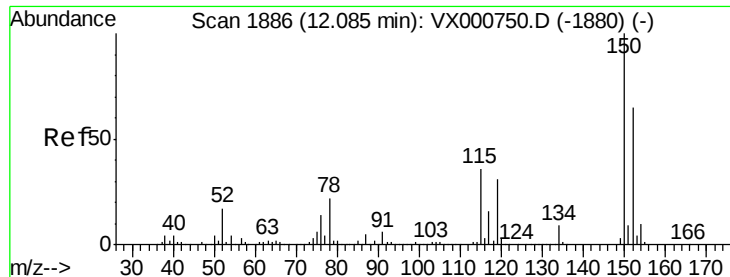
Tgt Ion: 95 Resp: 166825
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 198.4
 176 96.0 0.0 194.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX000878.D
 Acq: 14 Apr 2018 16:43

Tgt Ion: 117 Resp: 291554
 Ion Ratio Lower Upper
 117 100
 82 50.3 41.9 62.9
 119 31.6 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

LF028MW018-180411

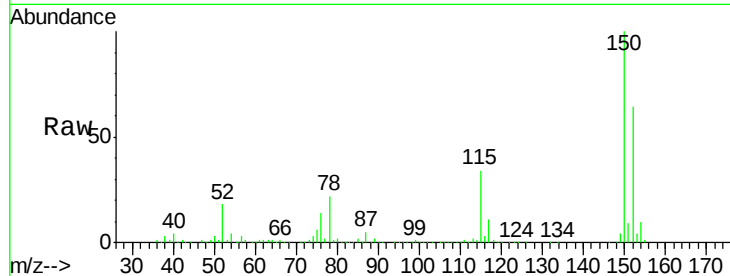
Tgt Ion:152 Resp: 183692

Ion Ratio Lower Upper

152 100

115 53.3 37.9 113.7

150 156.5 0.0 348.0



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

300000

250000

200000

150000

100000

50000

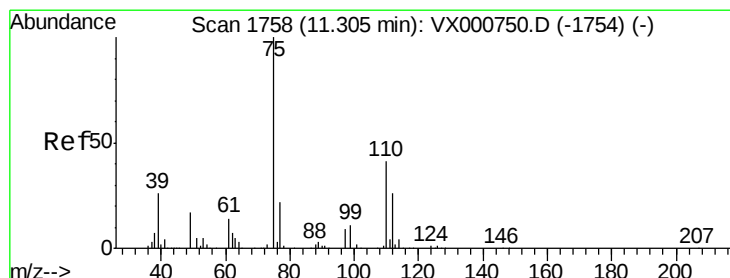
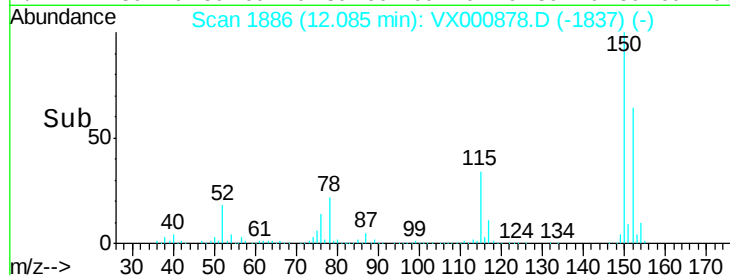
0

12.00

12.10

12.20

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000878.D

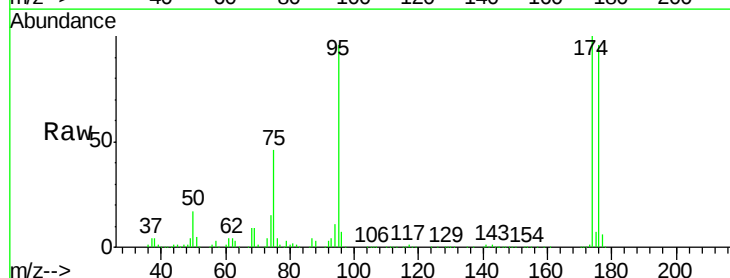
Acq: 14 Apr 2018 16:43

Tgt Ion: 75 Resp: 82235

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

40000

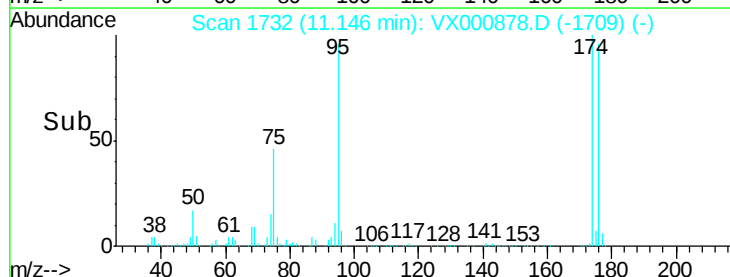
20000

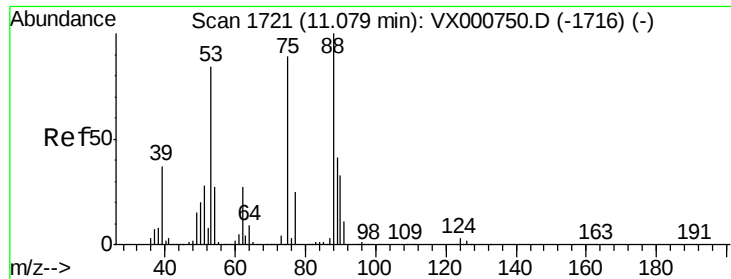
0

11.10

11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 71.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000878.D

Acq: 14 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

LF028MW018-180411

Tgt Ion: 75 Resp: 82235

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

