

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000831.D
 Acq On : 13 Apr 2018 04:28
 Operator : JC/MD
 Sample : J2337-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002

Quant Time: Apr 13 07:02:37 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	5.67	168	285842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199297	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	159539	44.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.54%	
35) Dibromofluoromethane	5.51	113	132372	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	8.73	98	507652	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.15	95	187362	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	

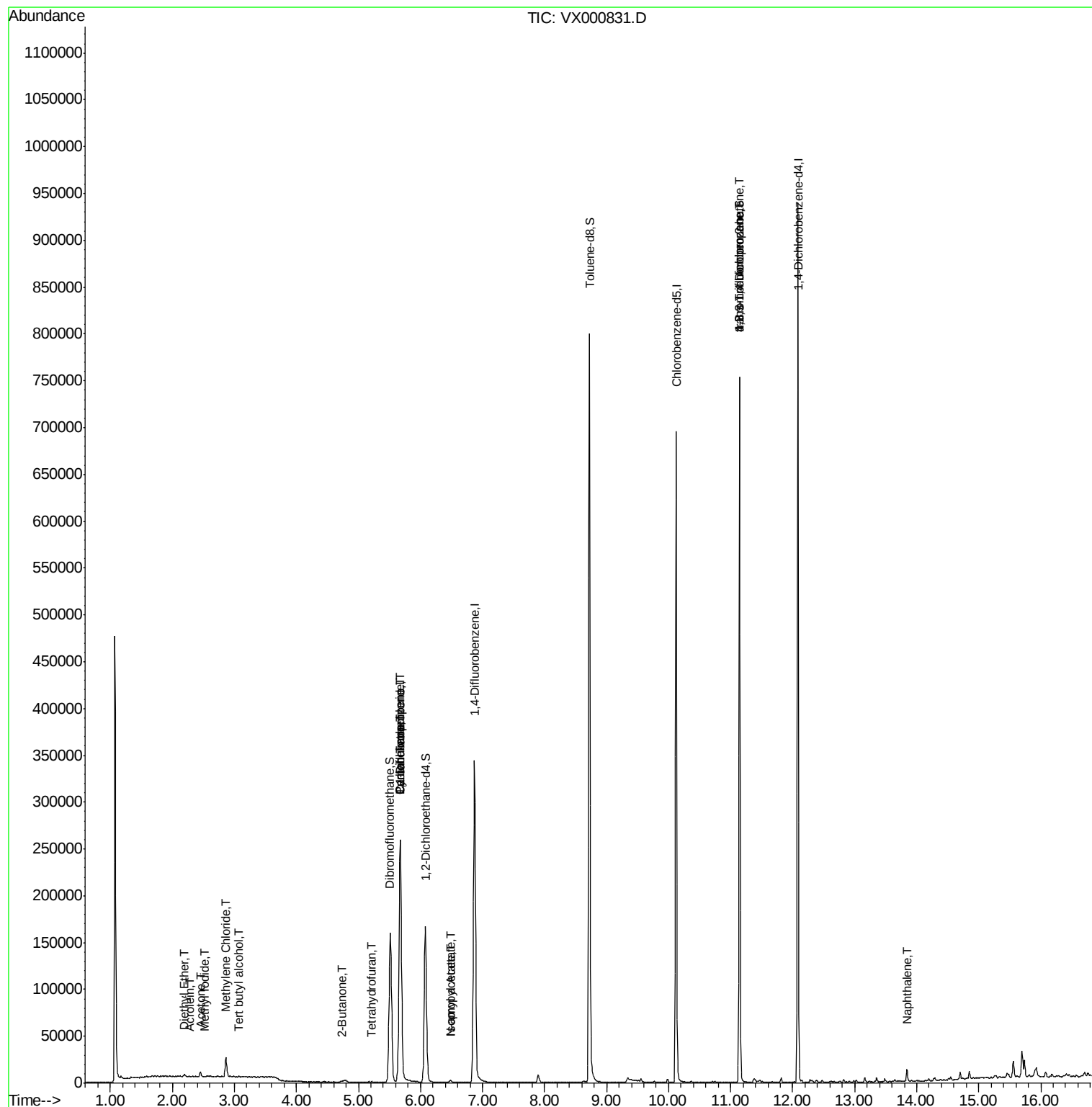
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	42	Below Cal	#	2
8) Diethyl Ether	2.19	74	905	0.52	ug/l	96
10) Methyl Iodide	2.52	142	64	8.26	ug/l	# 80
11) Tert butyl alcohol	3.07	59	383	0.60	ug/l	# 65
13) Acrolein	2.29	56	74	0.24	ug/l	# 20
16) Acetone	2.45	43	6032	4.85	ug/l	96
20) Methylene Chloride	2.86	84	10335	3.58	ug/l	95
25) 2-Butanone	4.72	43	1376	0.67	ug/l	96
29) Tetrahydrofuran	5.20	42	699	0.54	ug/l	# 41
31) Cyclohexane	5.68	56	4718	0.99	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16685	4.16	ug/l	# 49
38) Carbon Tetrachloride	5.68	117	23971	5.33	ug/l	# 14
43) Isopropyl Acetate	6.48	43	2210	0.33	ug/l	98
74) N-amyl acetate	6.48	43	2210	0.39	ug/l	# 98
76) 1,2,3-Trichloropropane	11.15	75	92244	26.84	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.15	75	92244	73.83	ug/l	# 11
95) Naphthalene	13.84	128	8519	0.59	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampleId :

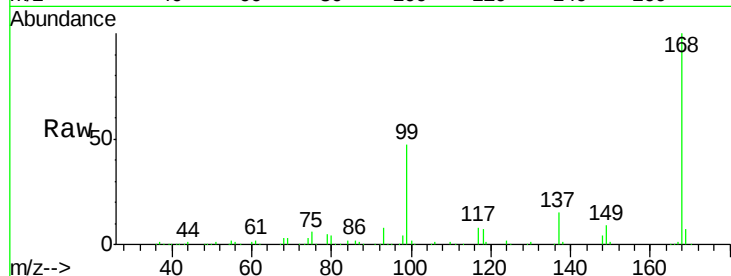
72-12002

Tgt Ion: 168 Resp: 285842

Ion Ratio Lower Upper

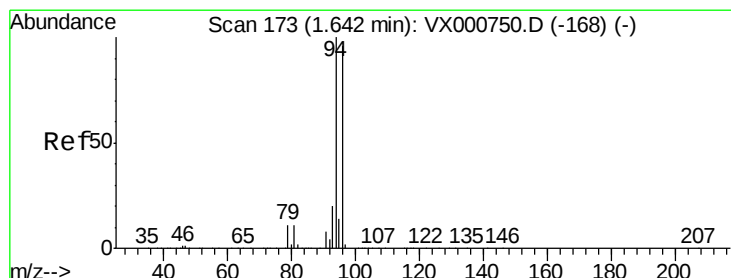
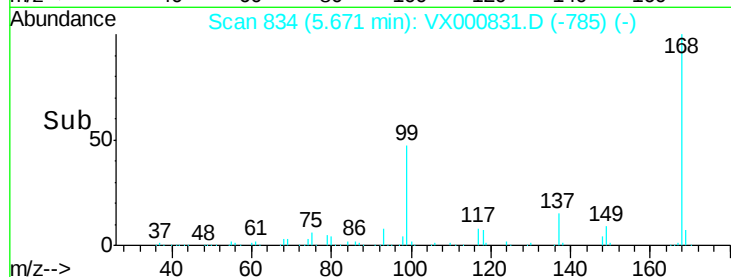
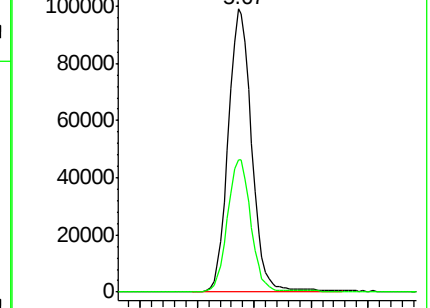
168 100

99 46.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.02 min

Lab File: VX000831.D

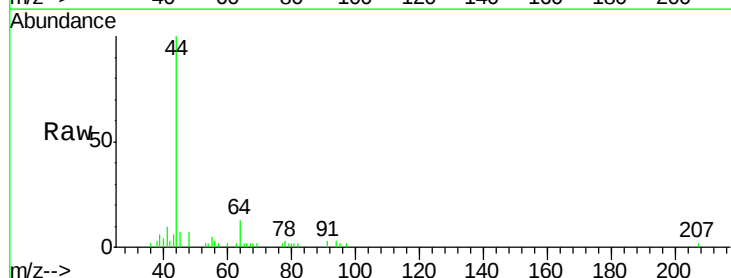
Acq: 13 Apr 2018 04:28

Tgt Ion: 94 Resp: 42

Ion Ratio Lower Upper

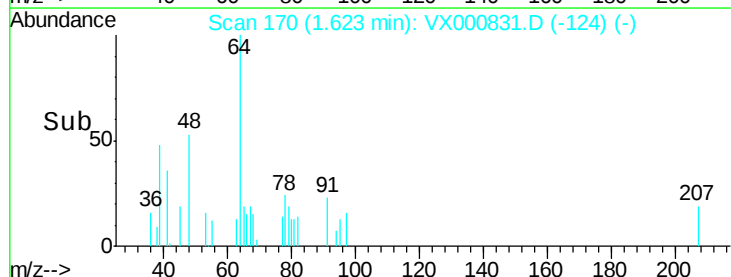
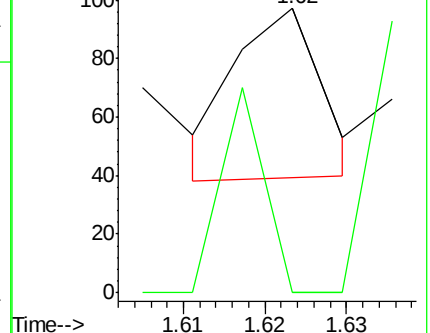
94 100

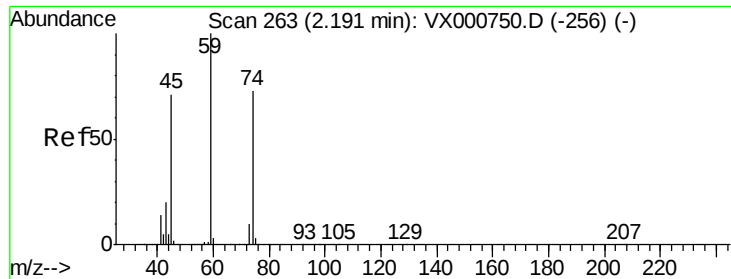
96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.52 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampleId :

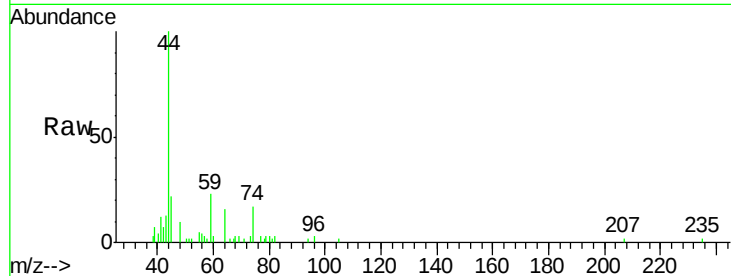
72-12002

Tgt Ion: 74 Resp: 905

Ion Ratio Lower Upper

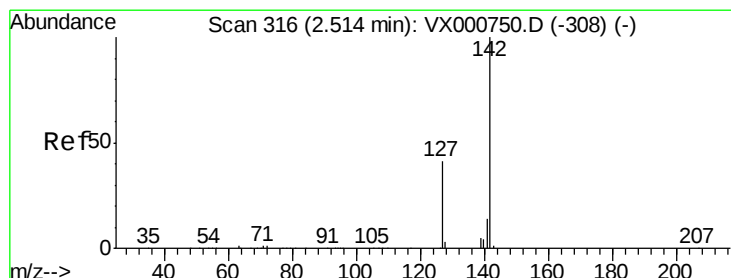
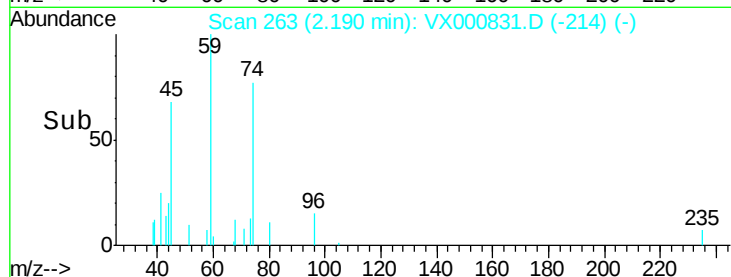
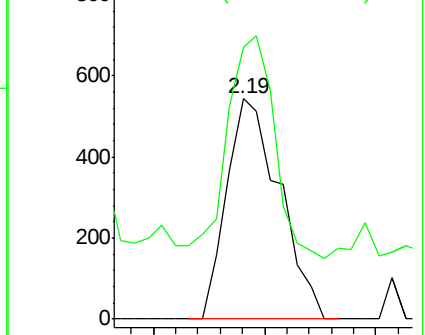
74 100

45 100.8 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 8.26 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

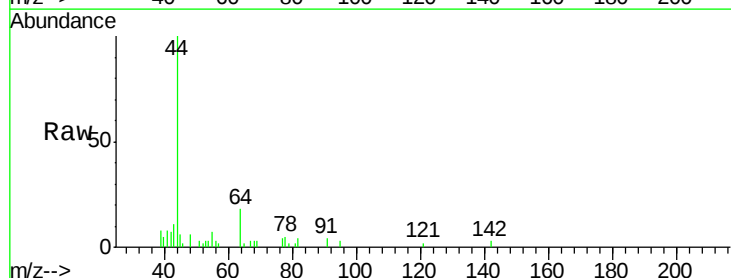
Tgt Ion: 142 Resp: 64

Ion Ratio Lower Upper

142 100

127 31.3 32.6 49.0#

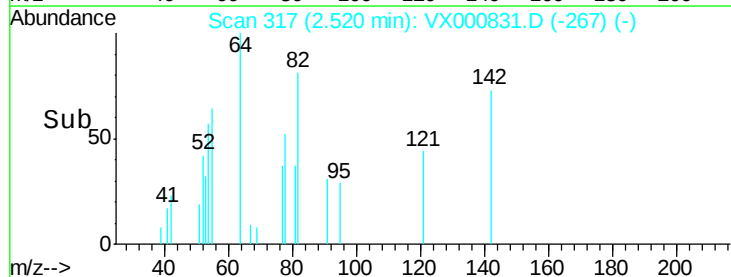
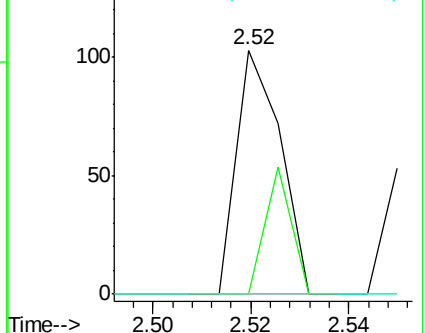
141 0.0 11.5 17.3#

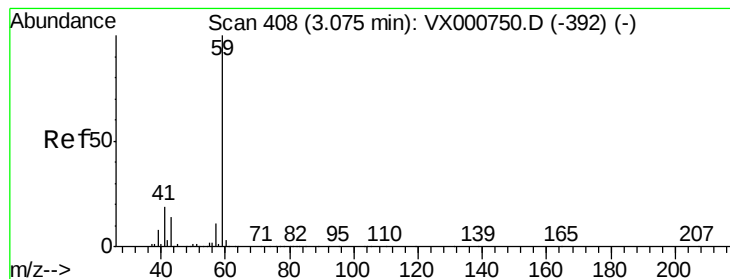


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.60 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampleId :

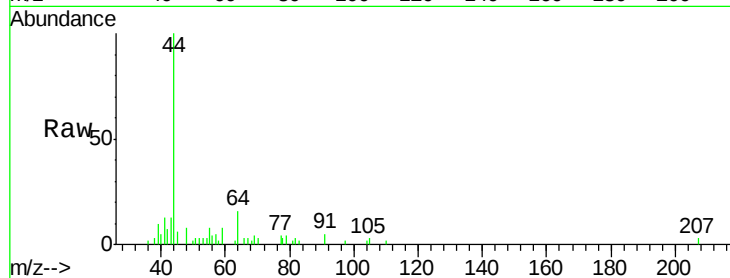
72-12002

Tgt Ion: 59 Resp: 383

Ion Ratio Lower Upper

59 100

57 23.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250

200

150

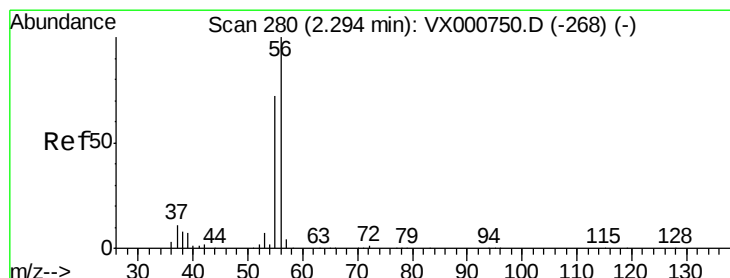
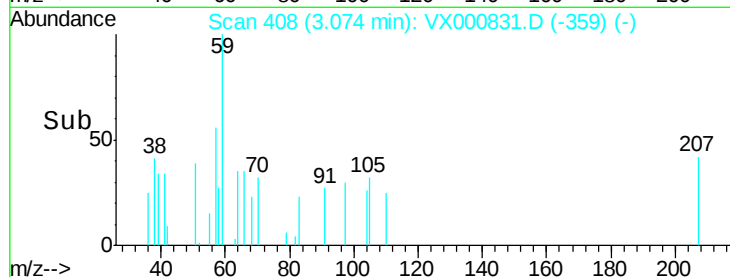
100

50

0

3.05 3.10

Time-->



#13

Acrolein

Concen: 0.24 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000831.D

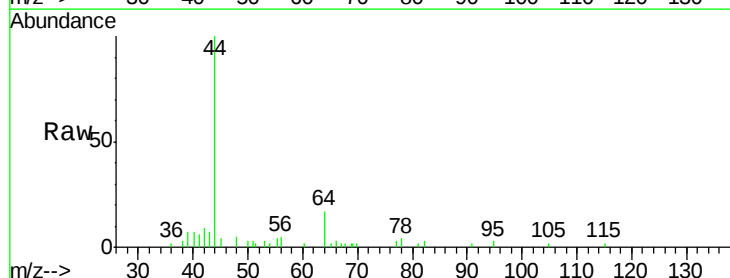
Acq: 13 Apr 2018 04:28

Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 140.5 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

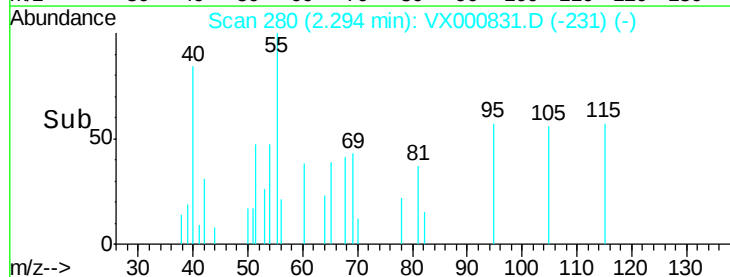
100

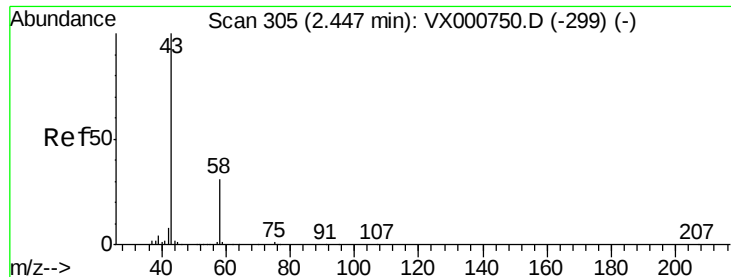
50

0

2.27 2.28 2.29 2.30 2.31

Time-->





#16

Acetone

Concen: 4.85 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampleId :

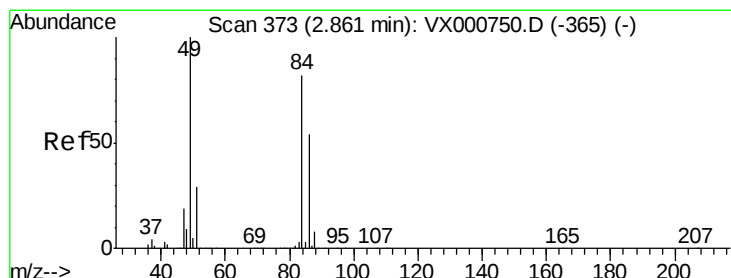
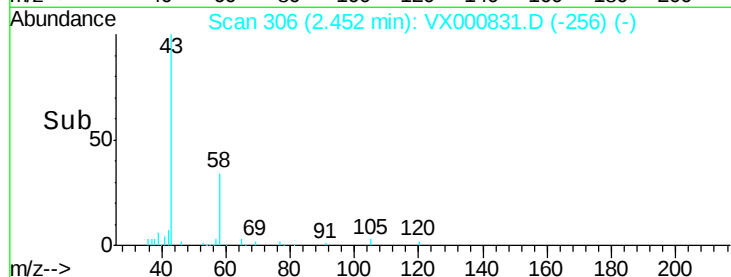
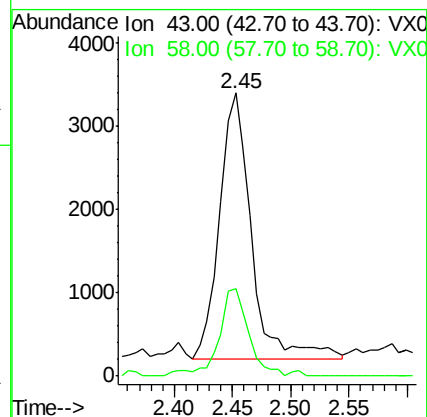
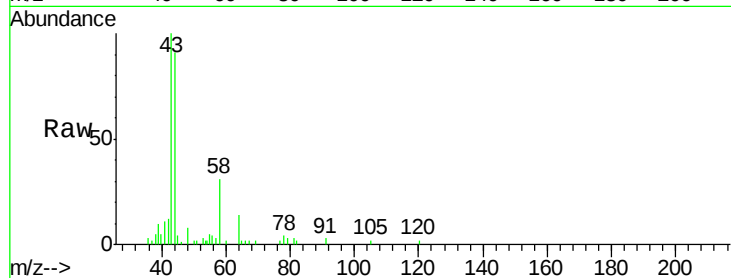
72-12002

Tgt Ion: 43 Resp: 6032

Ion Ratio Lower Upper

43 100

58 33.1 24.6 37.0



#20

Methylene Chloride

Concen: 3.58 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Tgt Ion: 84 Resp: 10335

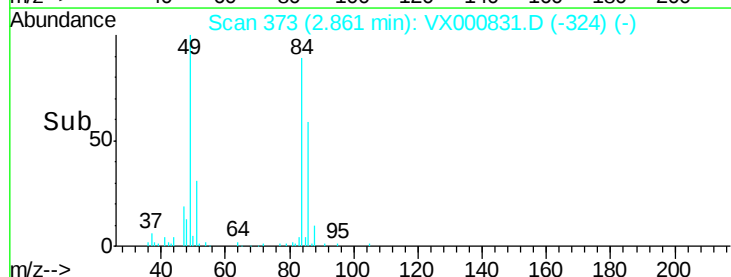
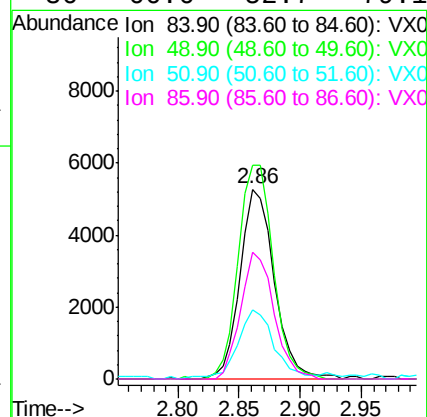
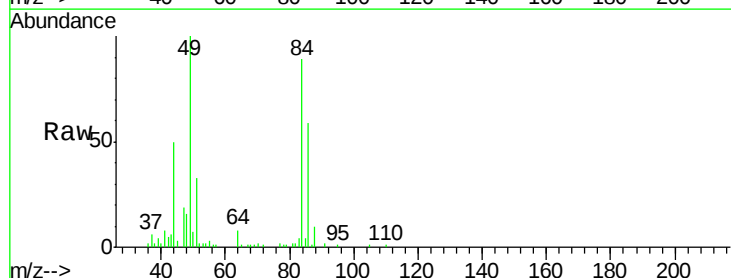
Ion Ratio Lower Upper

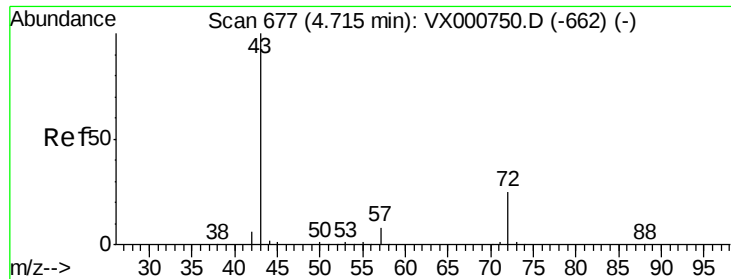
84 100

49 112.4 98.1 147.1

51 35.0 28.9 43.3

86 66.6 52.7 79.1





#25

2-Butanone

Concen: 0.67 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampled :

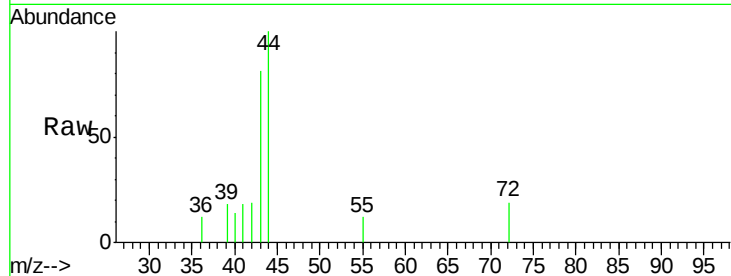
72-12002

Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

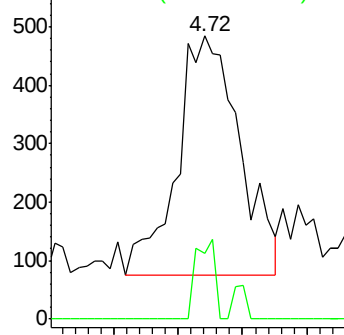
43 100

72 27.5 20.3 30.5

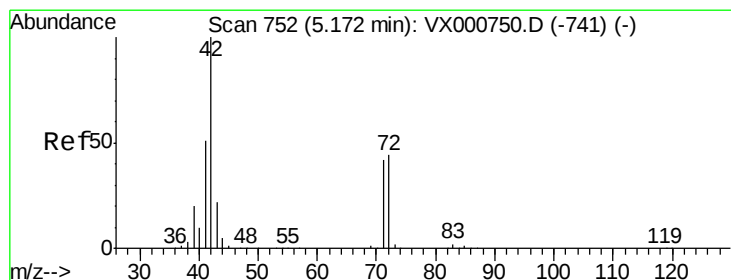
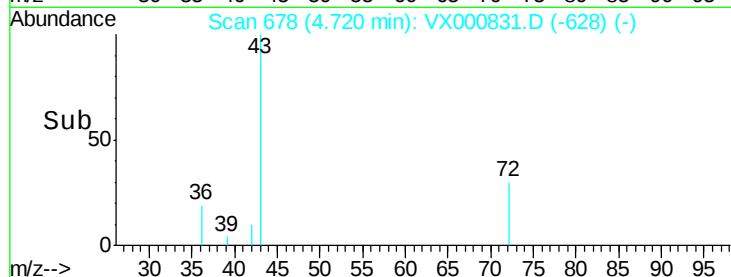


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.54 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.03 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

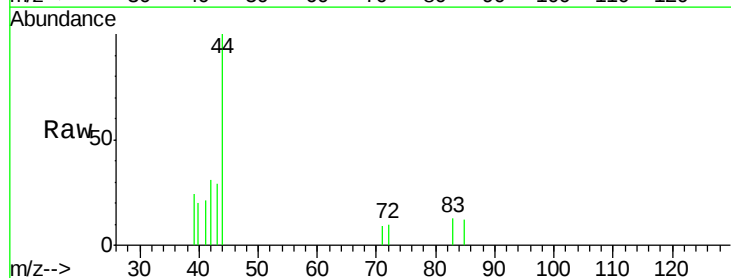
Tgt Ion: 42 Resp: 699

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

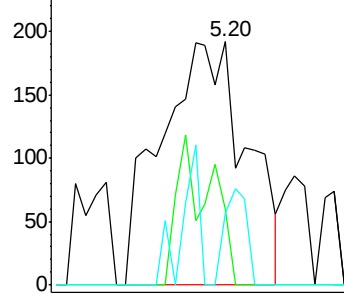
71 10.6 32.8 49.2#



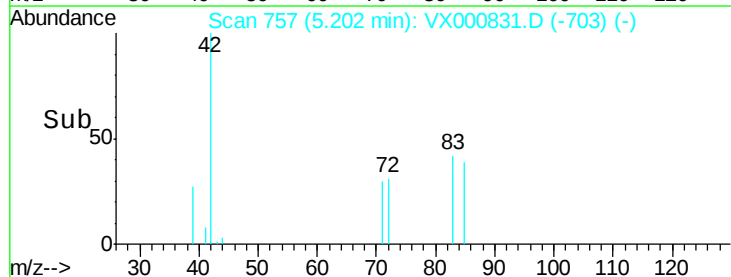
Abundance Ion 42.00 (41.70 to 42.70): VX0

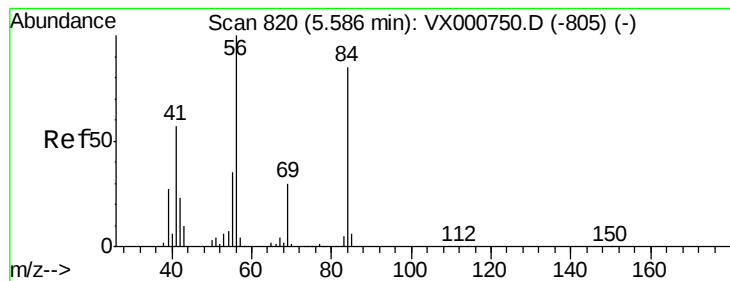
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

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72-12002

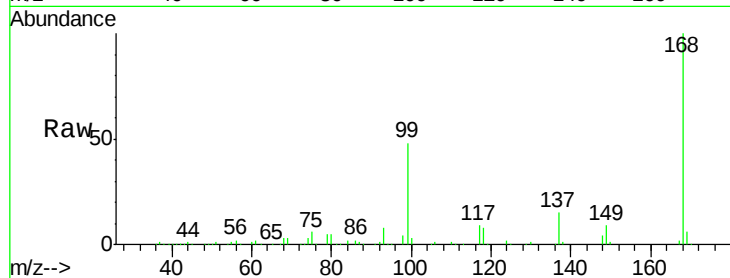
Tgt Ion: 56 Resp: 4718

Ion Ratio Lower Upper

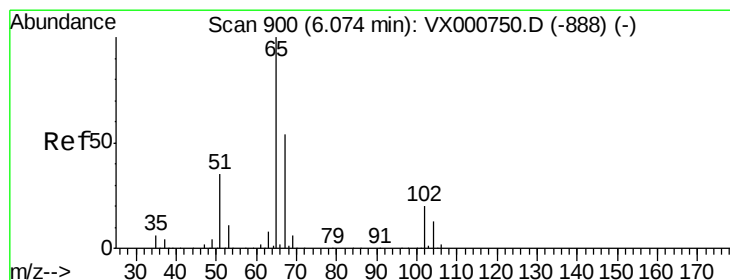
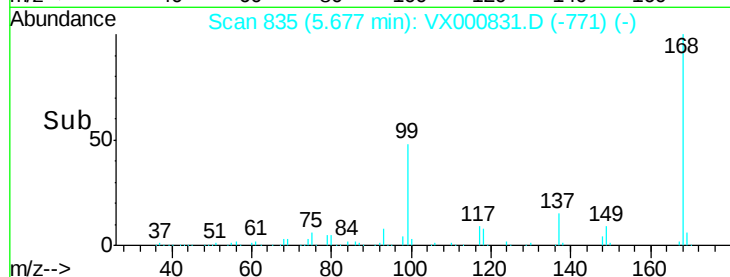
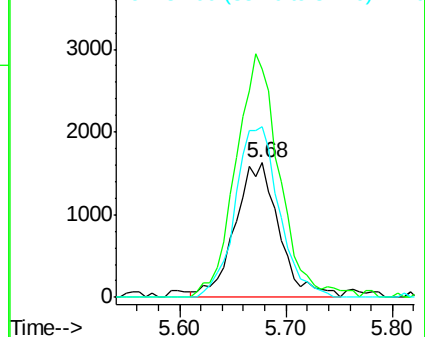
56 100

69 169.0 24.2 36.4#

84 126.8 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: 44.27 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000831.D

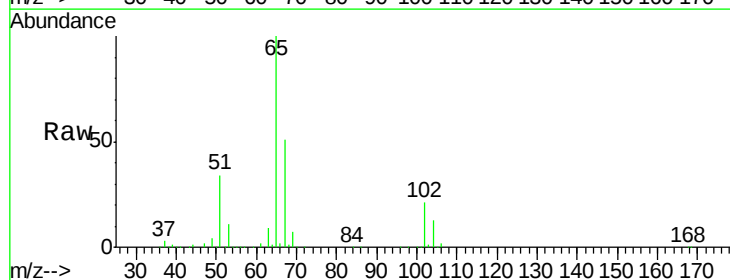
Acq: 13 Apr 2018 04:28

Tgt Ion: 65 Resp: 159539

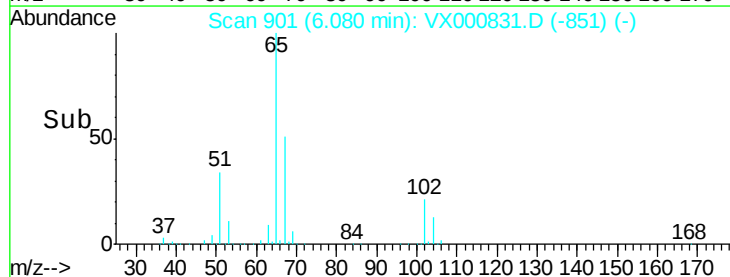
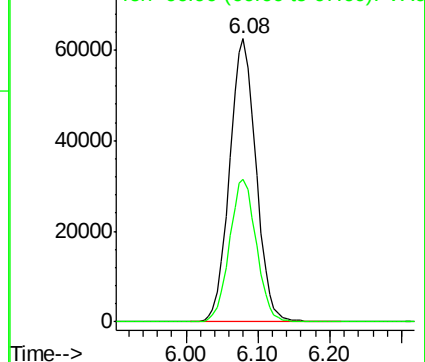
Ion Ratio Lower Upper

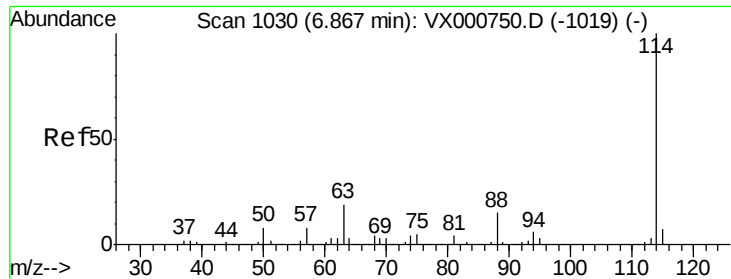
65 100

67 51.4 0.0 103.8



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

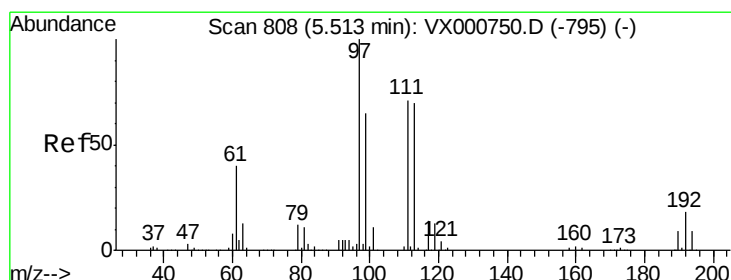
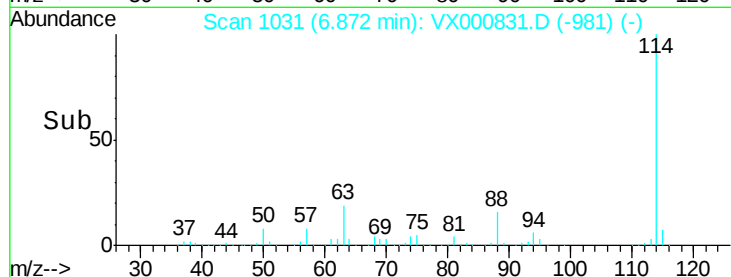
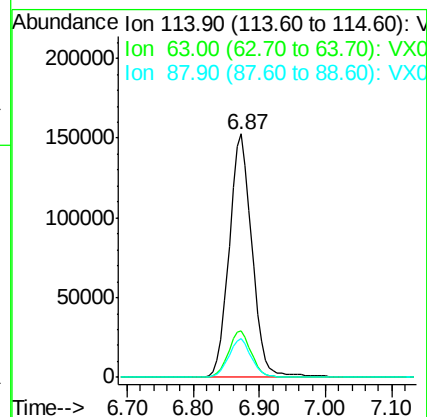
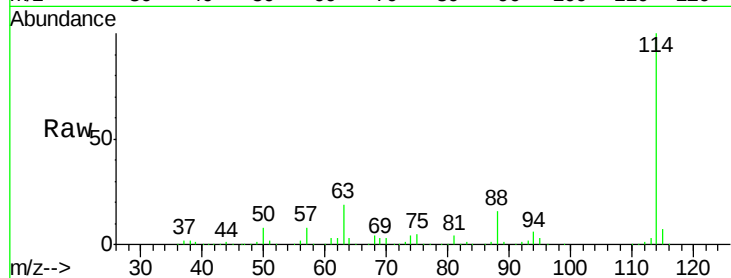




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000831.D
 Acq: 13 Apr 2018 04:28

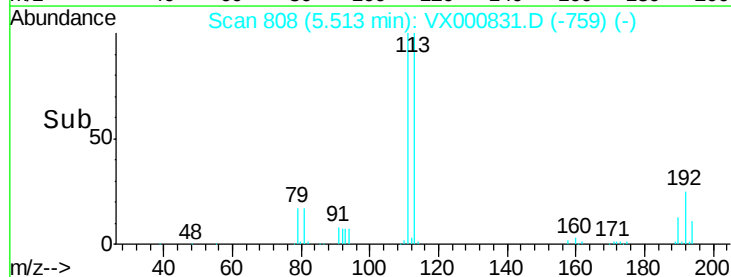
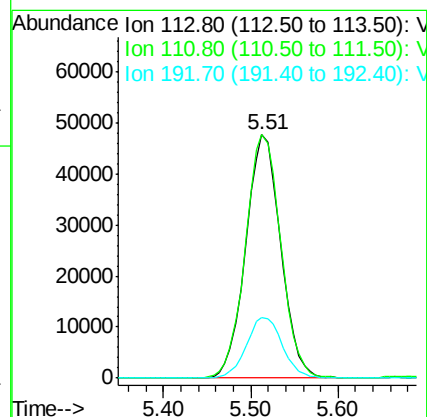
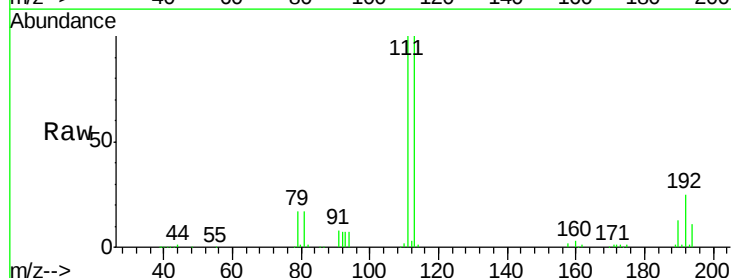
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002

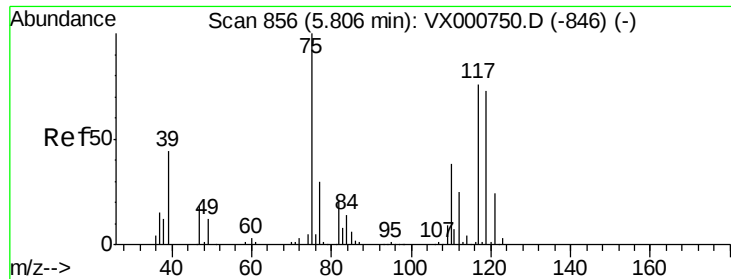
Tgt Ion:114 Resp: 364570
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.8 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 47.13 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000831.D
 Acq: 13 Apr 2018 04:28

Tgt Ion:113 Resp: 132372
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 25.6 20.4 30.6

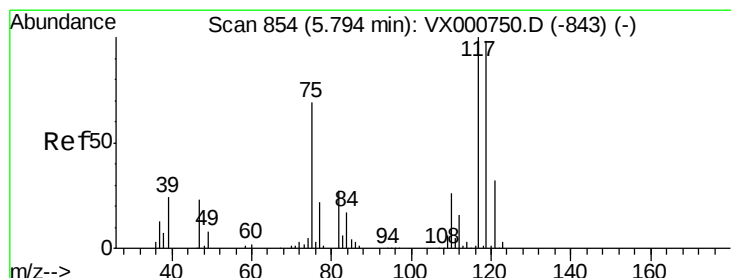
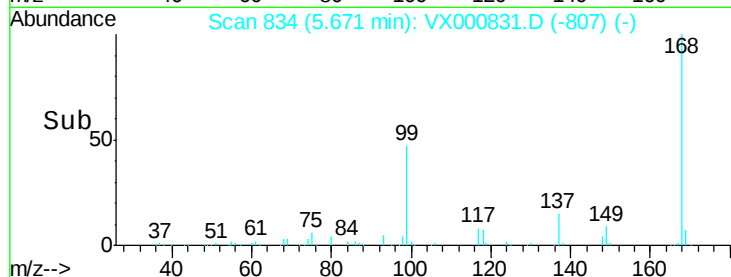
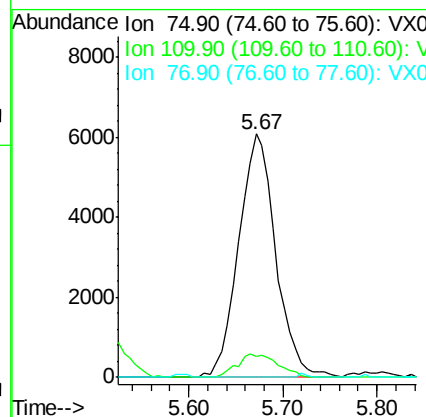
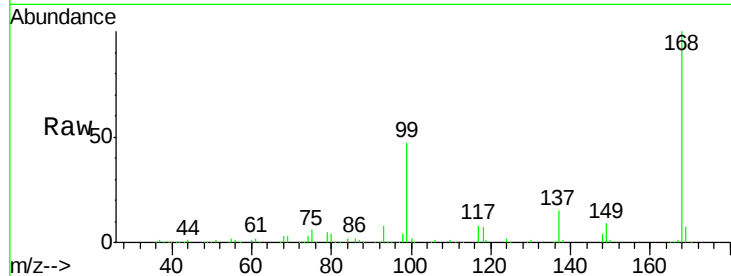




#36
 1,1-Dichloropropene
 Concen: 4.16 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000831.D
 Acq: 13 Apr 2018 04:28

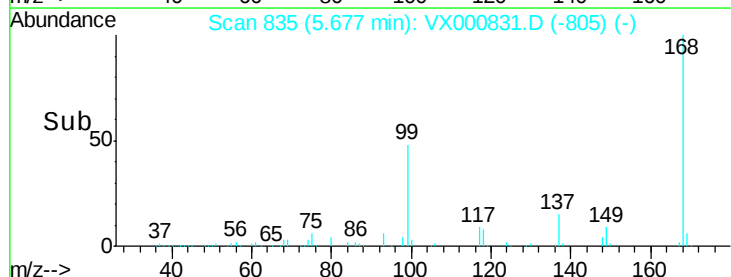
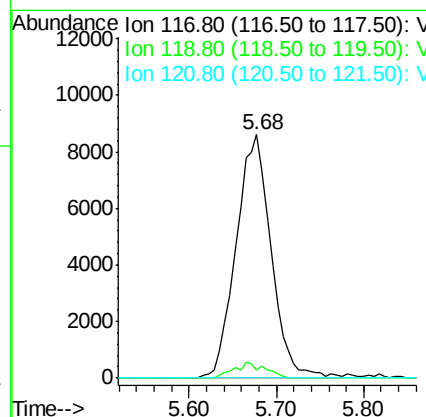
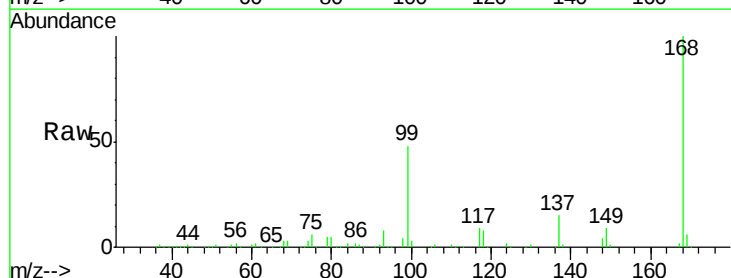
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002

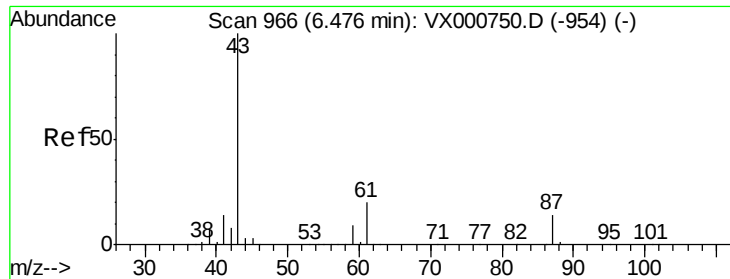
Tgt Ion: 75 Resp: 16685
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.33 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000831.D
 Acq: 13 Apr 2018 04:28

Tgt Ion: 117 Resp: 23971
 Ion Ratio Lower Upper
 117 100
 119 3.4 78.4 117.6#
 121 0.0 25.4 38.0#





#43

Isopropyl Acetate

Concen: 0.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampleId :

72-12002

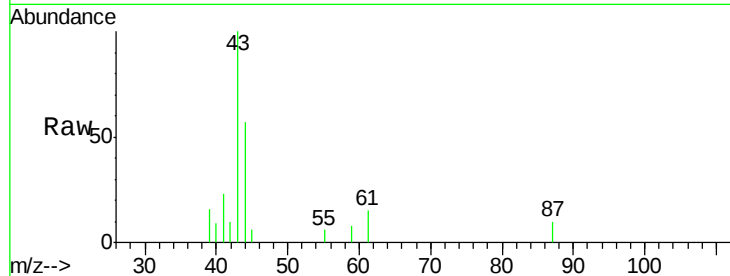
Tgt Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

61 20.5 15.6 23.4

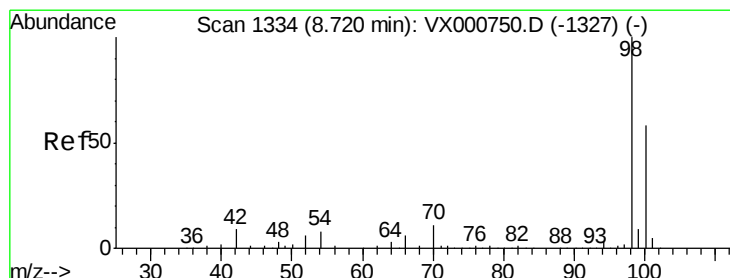
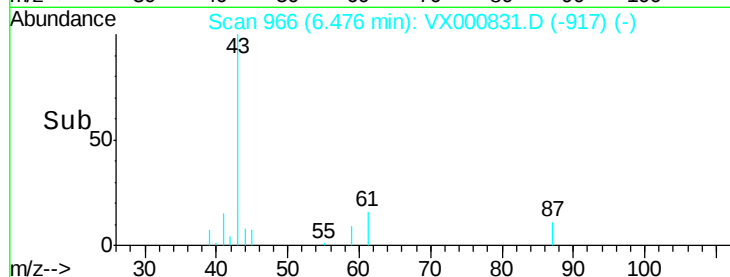
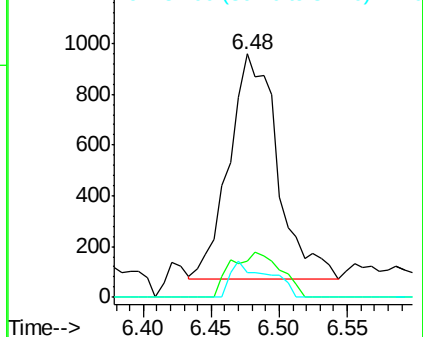
87 12.6 10.7 16.1



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: 48.54 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000831.D

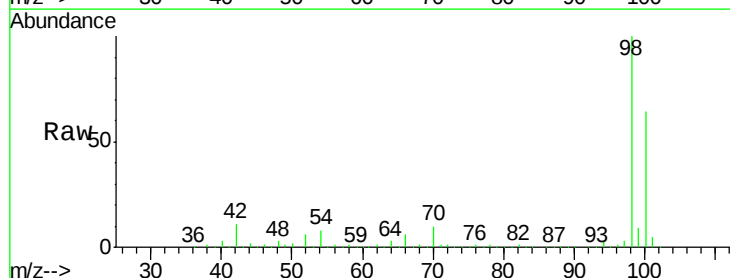
Acq: 13 Apr 2018 04:28

Tgt Ion: 98 Resp: 507652

Ion Ratio Lower Upper

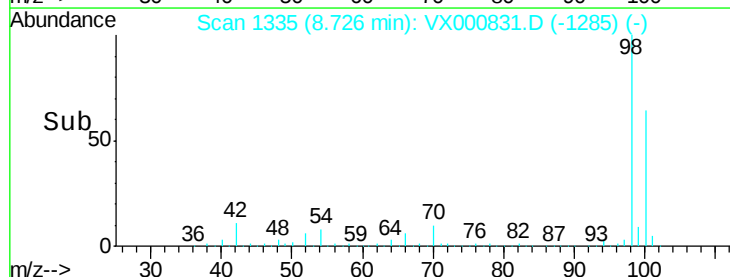
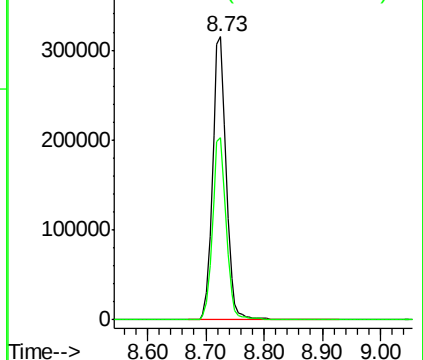
98 100

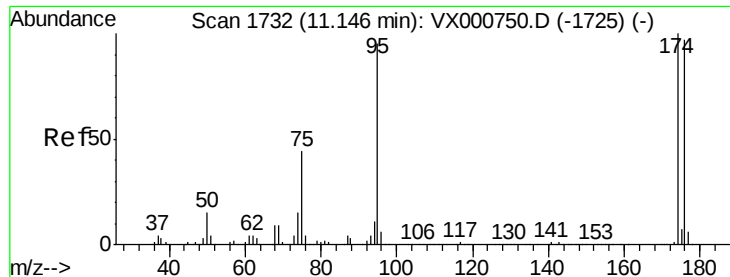
100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

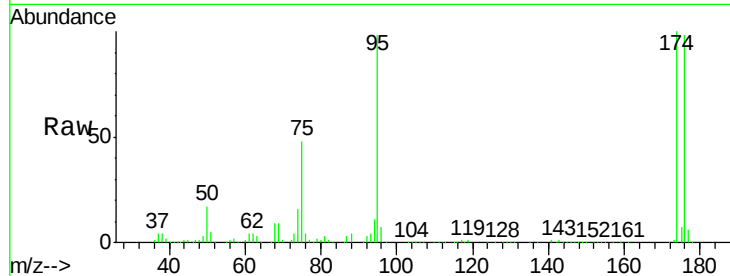




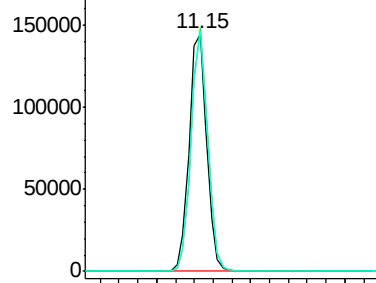
#62
4-Bromofluorobenzene
Concen: 43.30 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000831.D
Acq: 13 Apr 2018 04:28

Instrument :
MSVOA_X
ClientSampleId :
72-12002

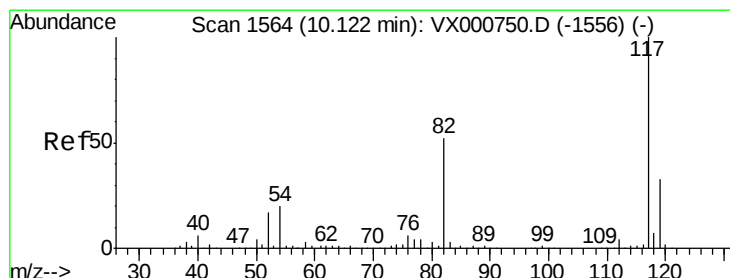
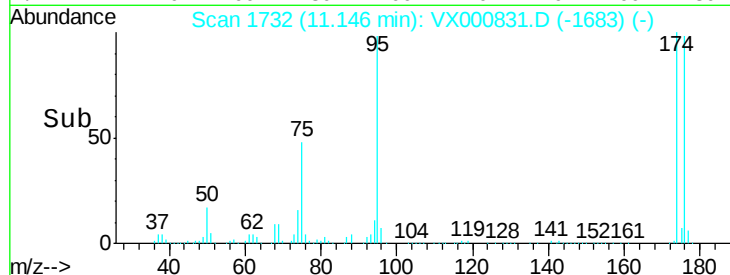
Tgt Ion: 95 Resp: 187362
Ion Ratio Lower Upper
95 100
174 97.9 0.0 198.4
176 95.8 0.0 194.4



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

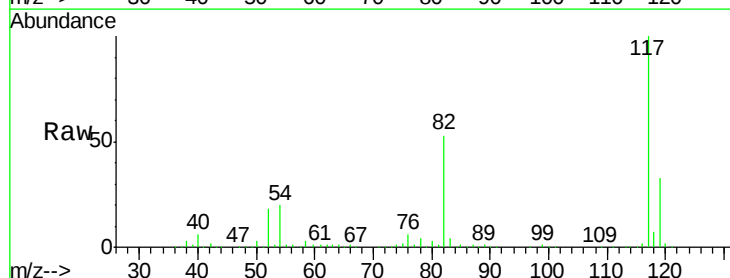


Time-->

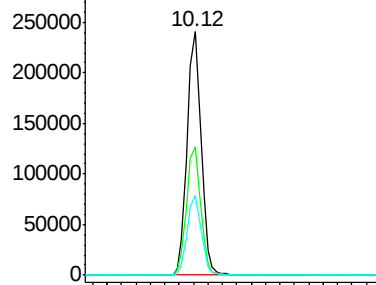


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000831.D
Acq: 13 Apr 2018 04:28

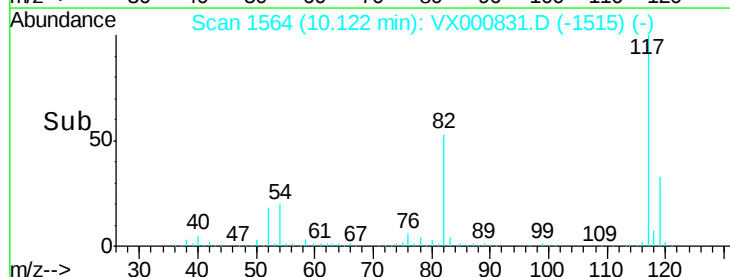
Tgt Ion: 117 Resp: 327234
Ion Ratio Lower Upper
117 100
82 52.6 41.9 62.9
119 32.7 26.0 39.0

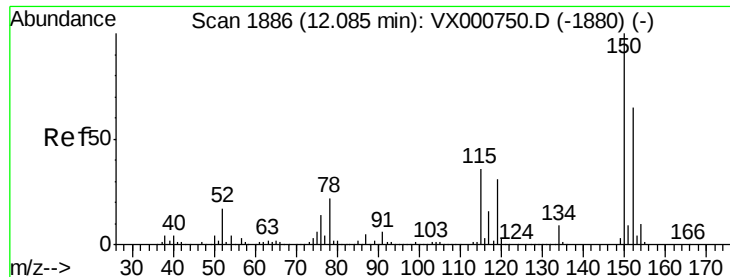


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Instrument :

MSVOA_X

ClientSampleId :

72-12002

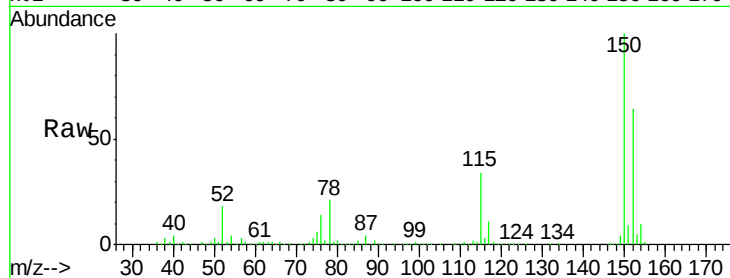
Tgt Ion:152 Resp: 199297

Ion Ratio Lower Upper

152 100

115 54.2 37.9 113.7

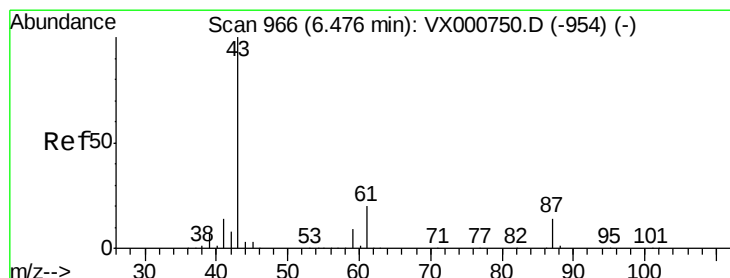
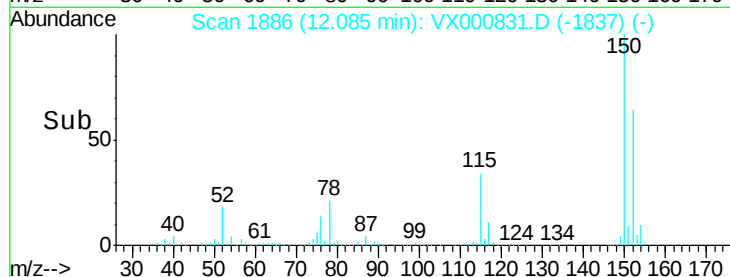
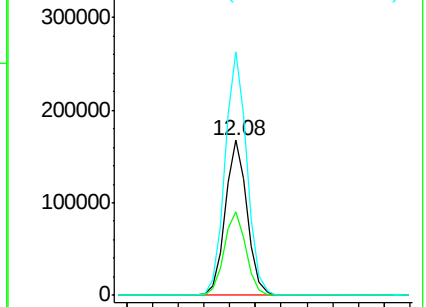
150 157.0 0.0 348.0



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



#74

N-ethyl acetate

Concen: 0.39 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000831.D

Acq: 13 Apr 2018 04:28

Tgt Ion: 43 Resp: 2210

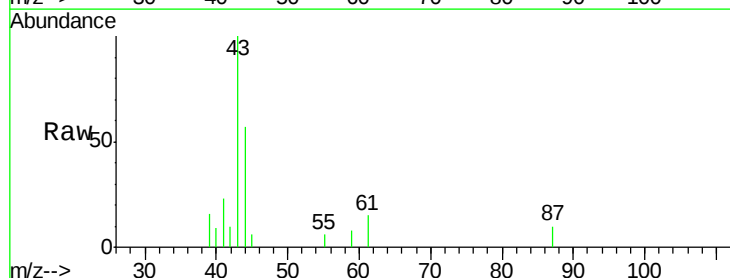
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 4.3 0.0 0.0#

61 20.5 15.6 23.4

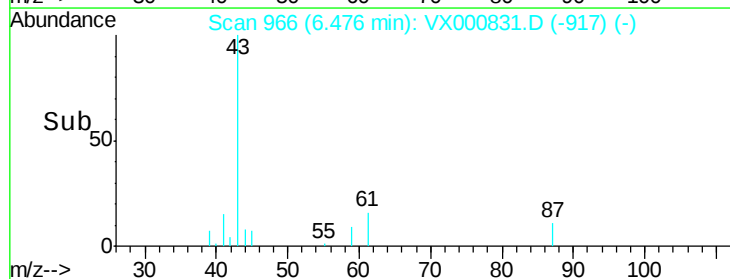
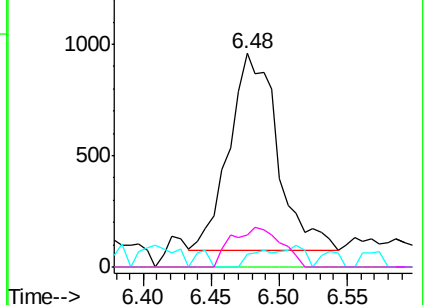


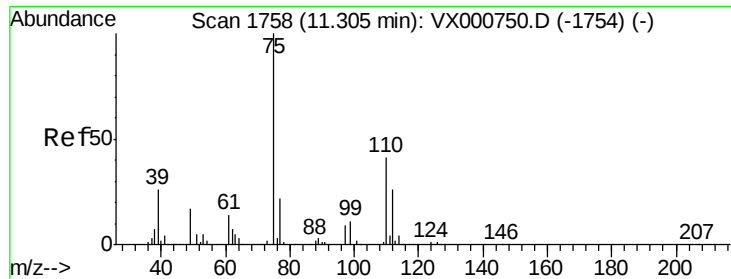
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

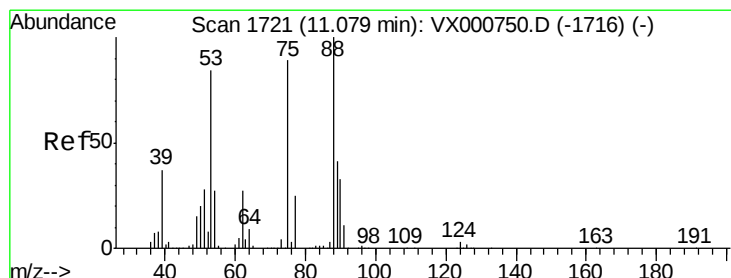
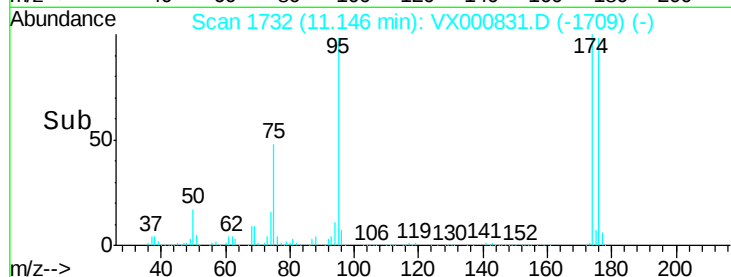
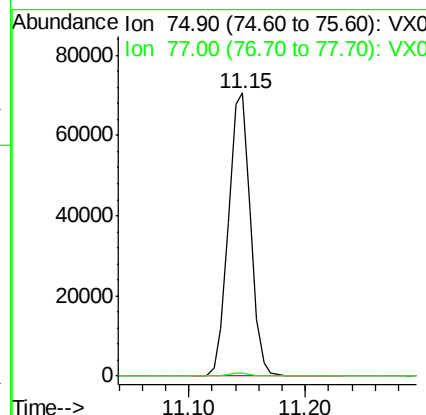
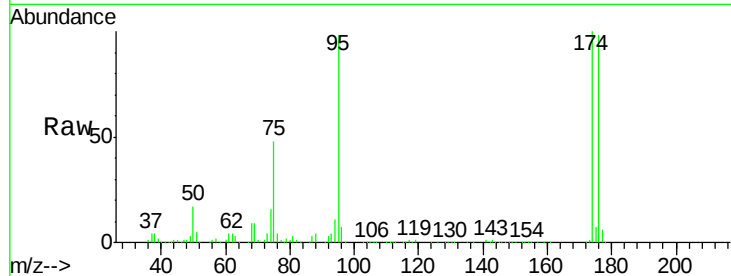




#76
 1,2,3-Trichloropropane
 Concen: 26.84 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000831.D
 Acq: 13 Apr 2018 04:28

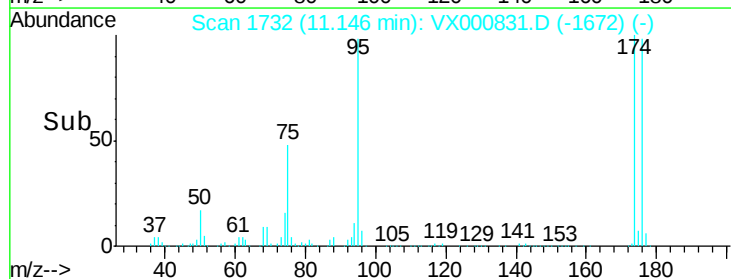
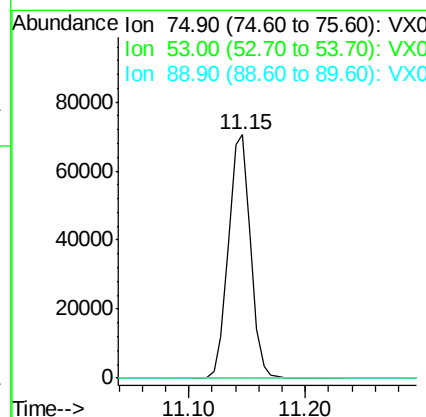
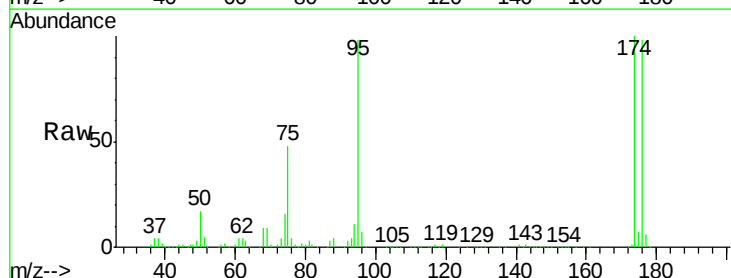
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002

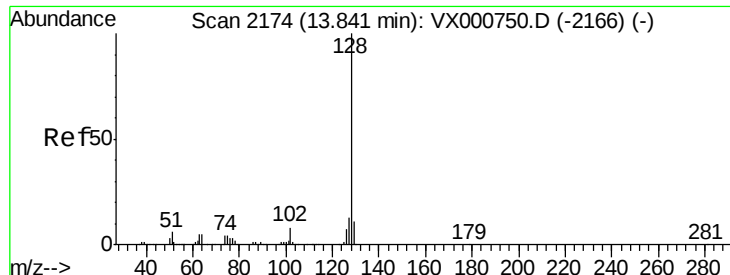
Tgt Ion: 75 Resp: 92244
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.83 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX000831.D
 Acq: 13 Apr 2018 04:28

Tgt Ion: 75 Resp: 92244
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

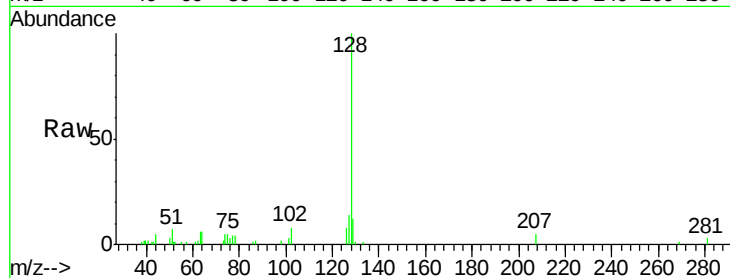




#95
Naphthalene
Concen: 0.59 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000831.D
Acq: 13 Apr 2018 04:28

Instrument :
MSVOA_X
ClientSampleId :
72-12002

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

