

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000857.D
 Acq On : 13 Apr 2018 18:34
 Operator : JC/MD
 Sample : J2152-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-01-041218

Quant Time: Apr 14 05:15:40 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	249332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	195372	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	144213	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	5.51	113	118111	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
50) Toluene-d8	8.73	98	453927	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.15	95	176269	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

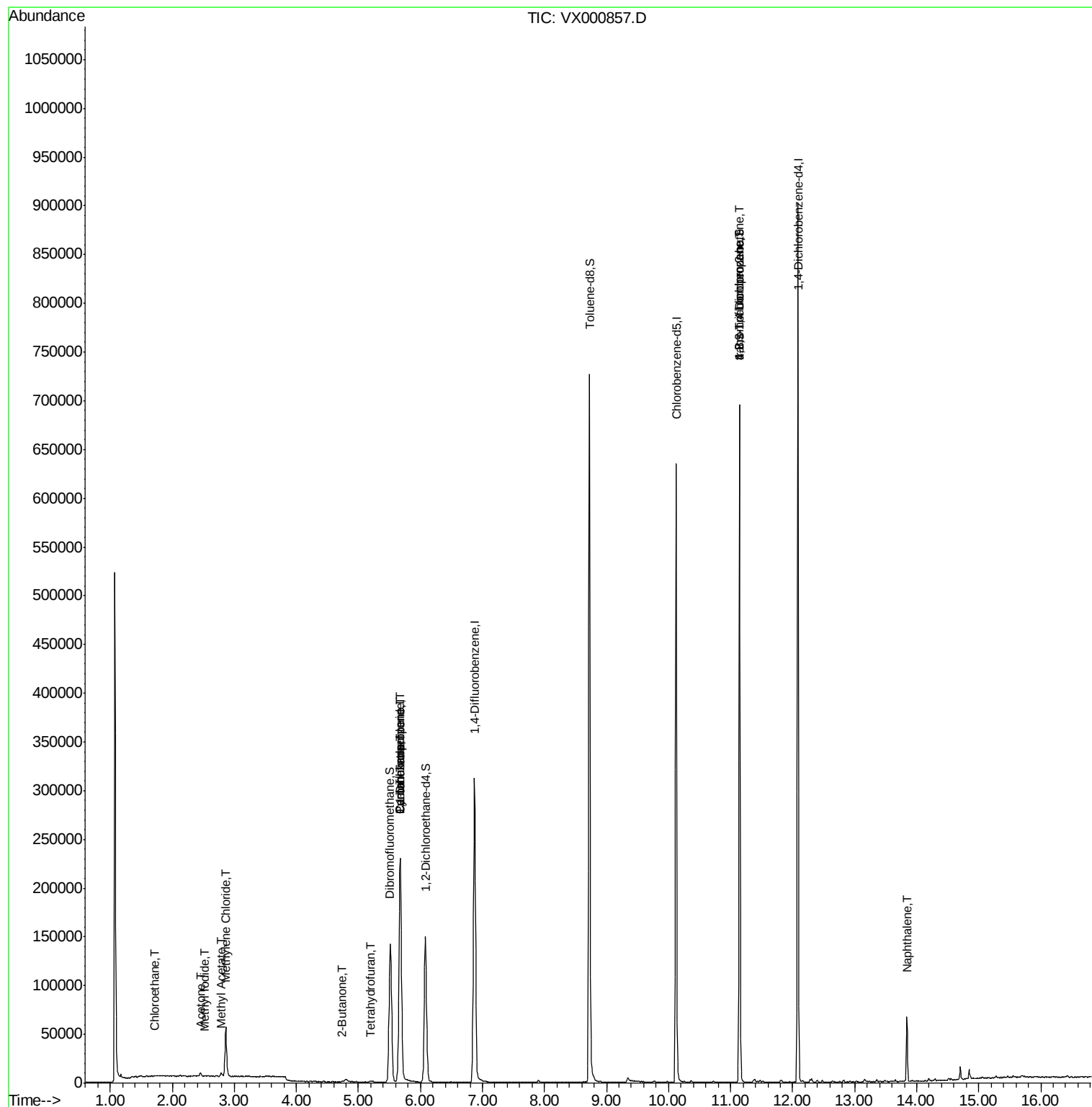
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	383	Below Cal	#	75
6) Chloroethane	1.71	64	2536	1.54	ug/l #	67
10) Methyl Iodide	2.51	142	192	8.32	ug/l #	75
16) Acetone	2.45	43	4196	3.87	ug/l	100
18) Methyl Acetate	2.78	43	3874	1.38	ug/l	98
20) Methylene Chloride	2.86	84	24178	9.59	ug/l	99
25) 2-Butanone	4.73	43	783	0.44	ug/l #	80
29) Tetrahydrofuran	5.19	42	1039	0.91	ug/l #	56
31) Cyclohexane	5.67	56	4428	1.07	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	15414	4.20	ug/l #	48
38) Carbon Tetrachloride	5.68	117	21437	5.22	ug/l #	14
76) 1,2,3-Trichloropropane	11.15	75	86992	25.82	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	86992	71.02	ug/l #	11
95) Naphthalene	13.84	128	40562	2.85	ug/l	99

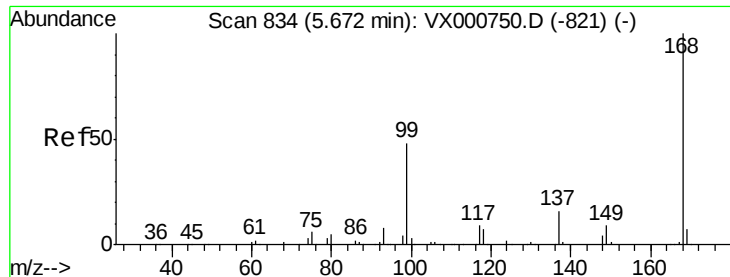
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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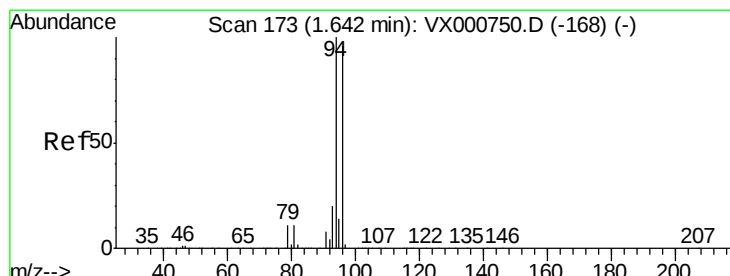
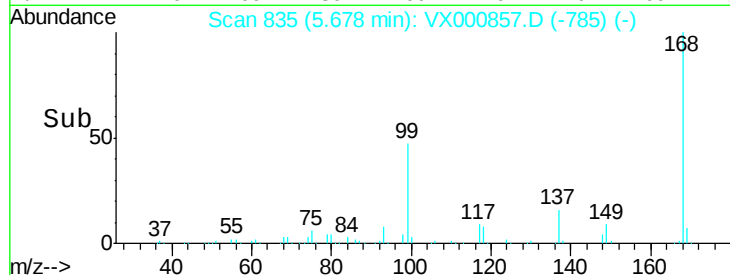
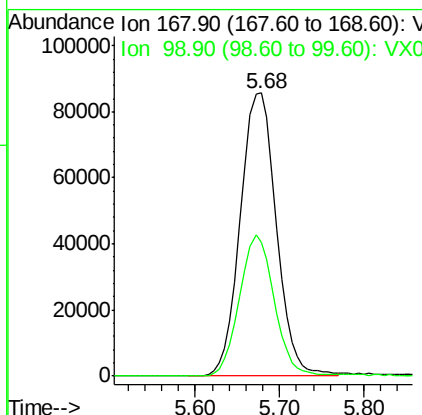
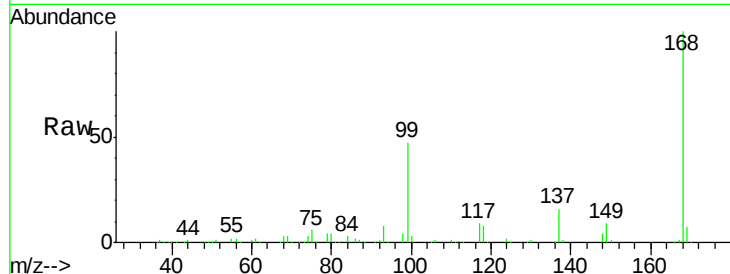




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.01 min
Lab File: VX000857.D
Acq: 13 Apr 2018 18:34

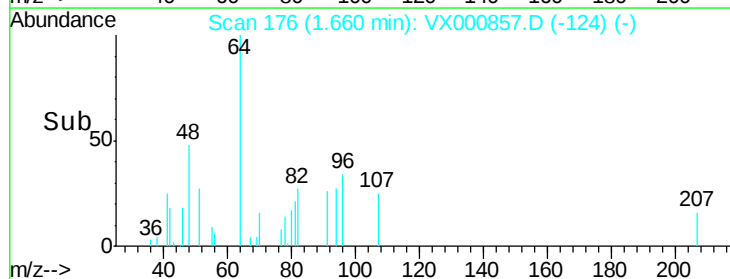
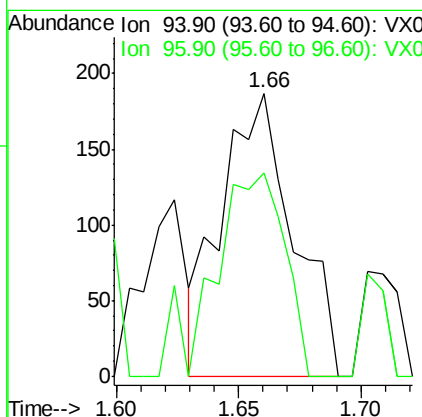
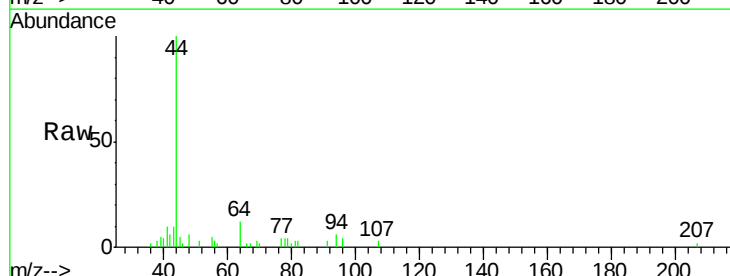
Instrument :
MSVOA_X
ClientSampleId :
BU-01-041218

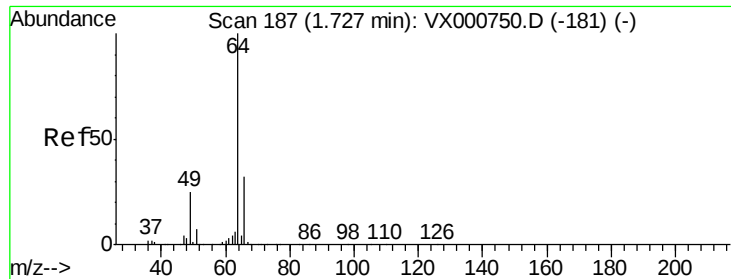
Tgt Ion: 168 Resp: 249332
Ion Ratio Lower Upper
168 100
99 47.2 38.3 57.5



#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX000857.D
Acq: 13 Apr 2018 18:34

Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 71.7 77.0 115.6#





#6

Chloroethane

Concen: 1.54 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

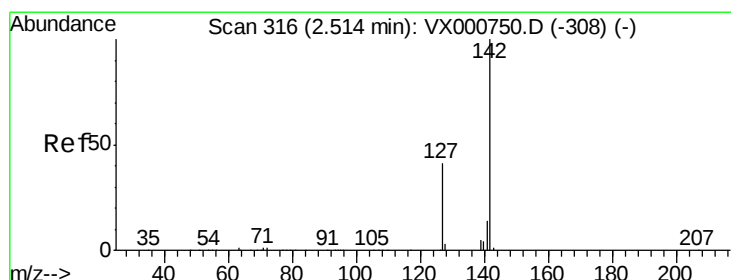
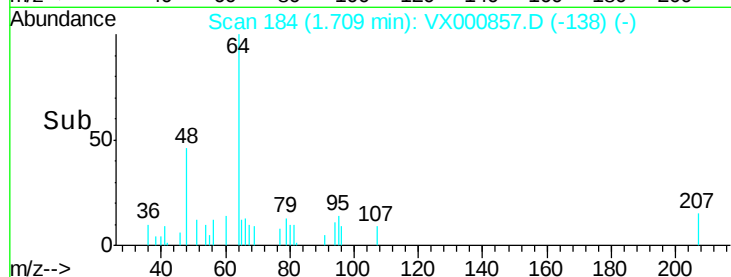
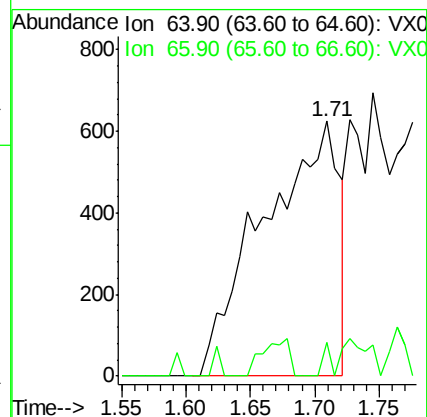
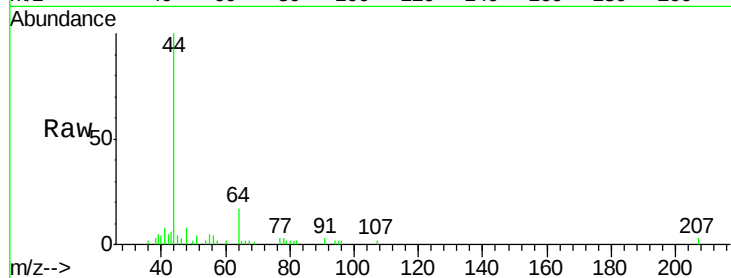
BU-01-041218

Tgt Ion: 64 Resp: 2536

Ion Ratio Lower Upper

64 100

66 13.3 25.3 37.9#



#10

Methyl Iodide

Concen: 8.32 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

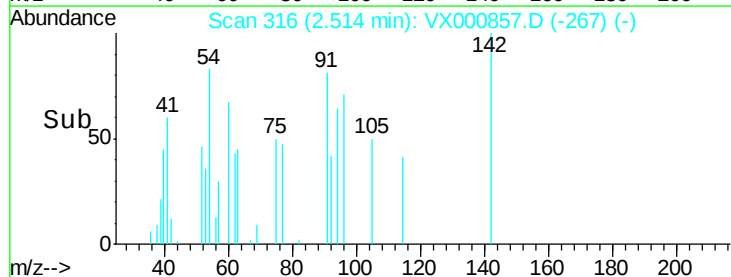
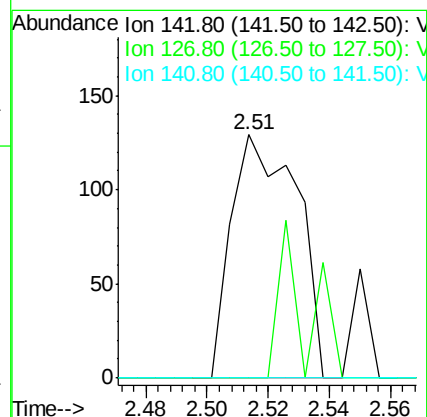
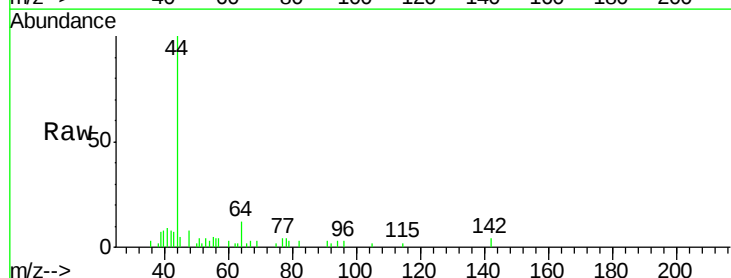
Tgt Ion: 142 Resp: 192

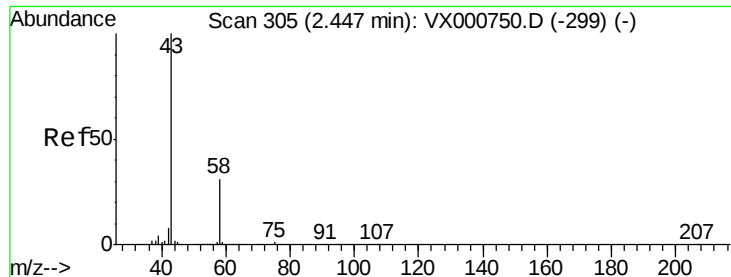
Ion Ratio Lower Upper

142 100

127 27.6 32.6 49.0#

141 0.0 11.5 17.3#





#16

Acetone

Concen: 3.87 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

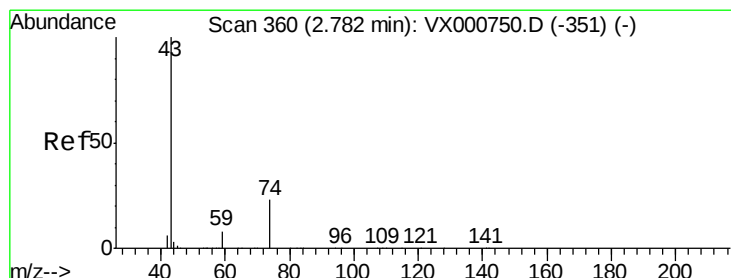
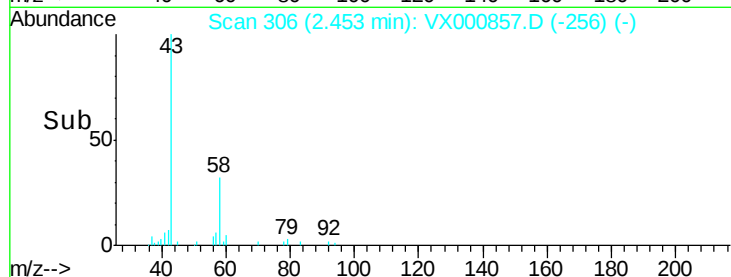
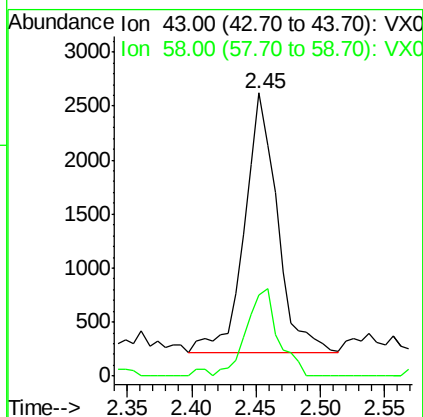
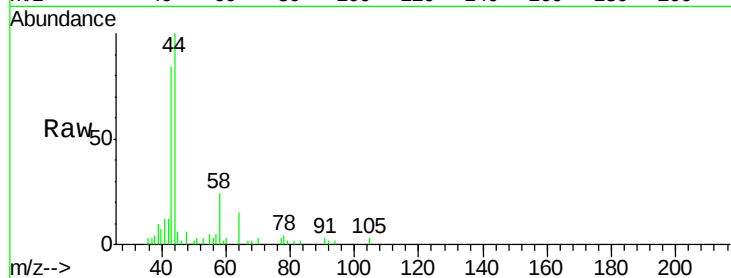
BU-01-041218

Tgt Ion: 43 Resp: 4196

Ion Ratio Lower Upper

43 100

58 31.1 24.6 37.0



#18

Methyl Acetate

Concen: 1.38 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000857.D

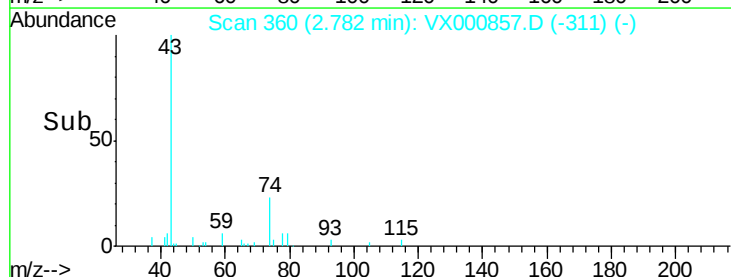
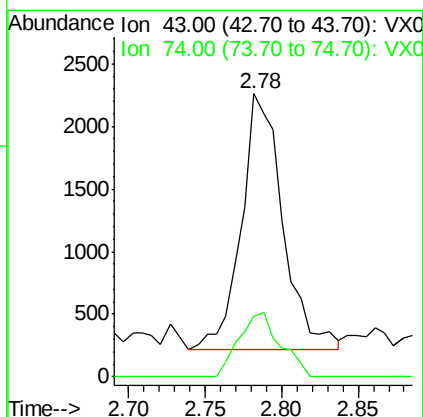
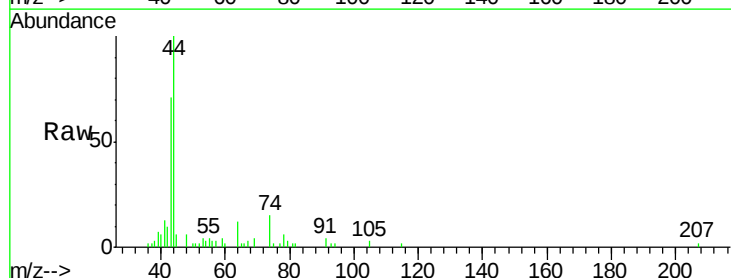
Acq: 13 Apr 2018 18:34

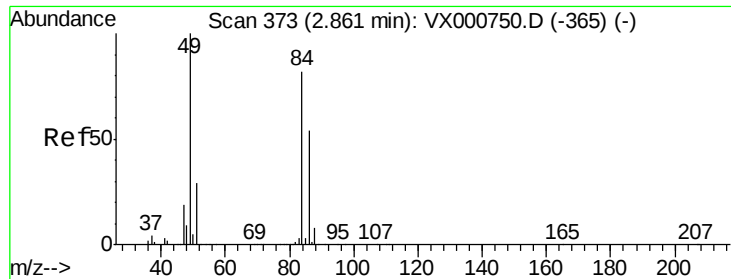
Tgt Ion: 43 Resp: 3874

Ion Ratio Lower Upper

43 100

74 24.7 19.1 28.7





#20

Methylene Chloride

Concen: 9.59 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampled :

BU-01-041218

Tgt Ion: 84 Resp: 24178

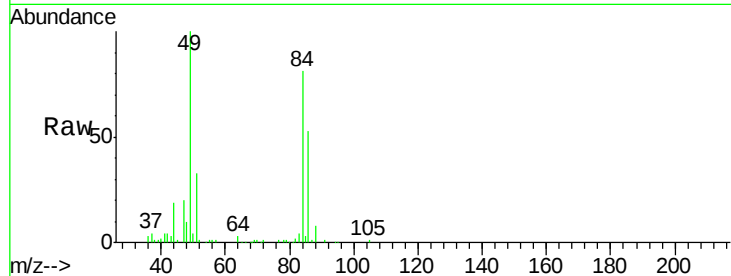
Ion Ratio Lower Upper

84 100

49 122.8 98.1 147.1

51 39.4 28.9 43.3

86 65.4 52.7 79.1

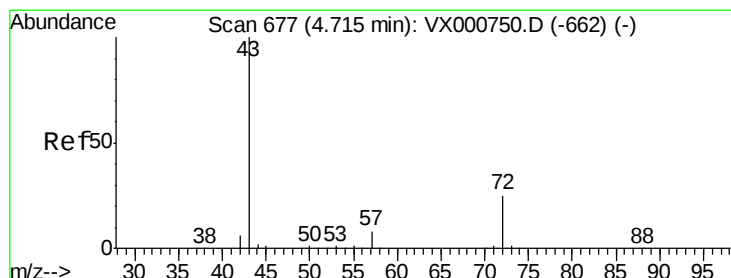
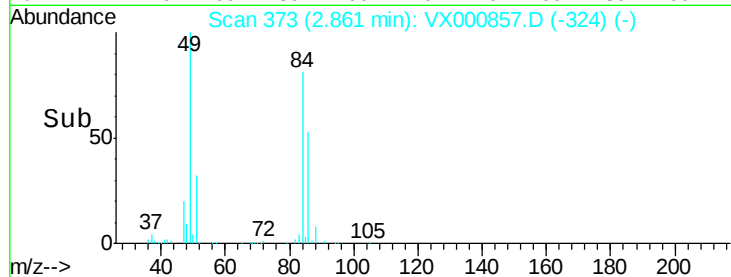
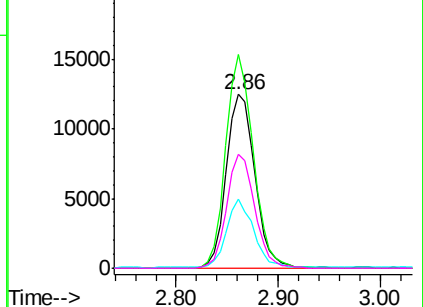


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.44 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000857.D

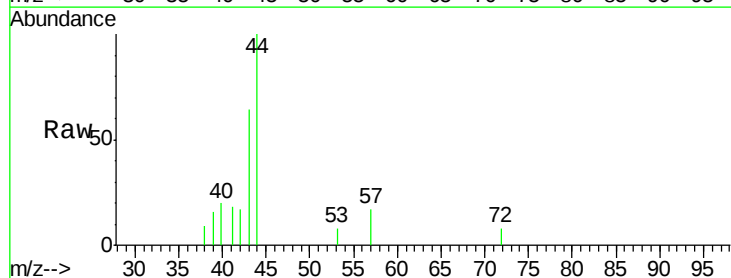
Acq: 13 Apr 2018 18:34

Tgt Ion: 43 Resp: 783

Ion Ratio Lower Upper

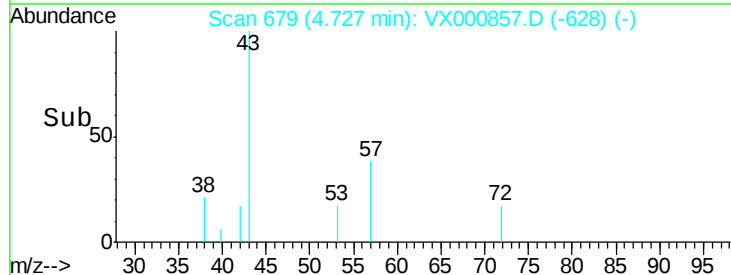
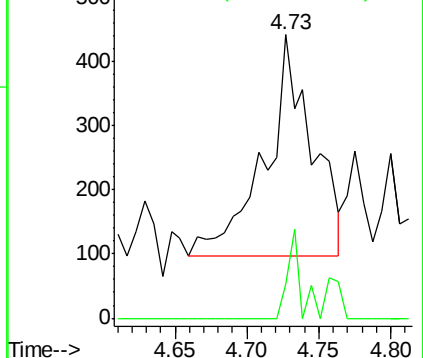
43 100

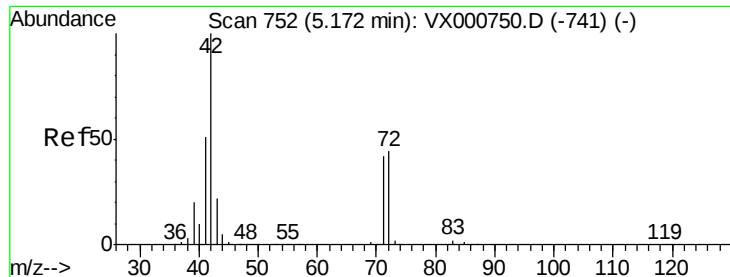
72 15.1 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.91 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

BU-01-041218

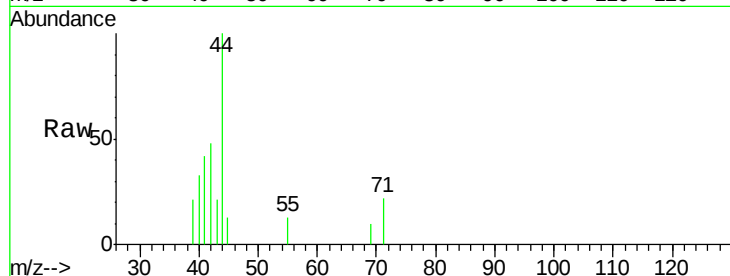
Tgt Ion: 42 Resp: 1039

Ion Ratio Lower Upper

42 100

72 7.9 35.1 52.7#

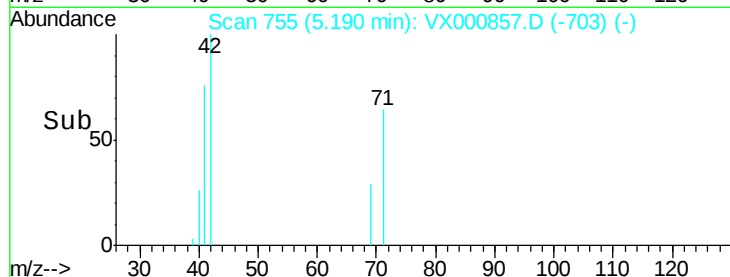
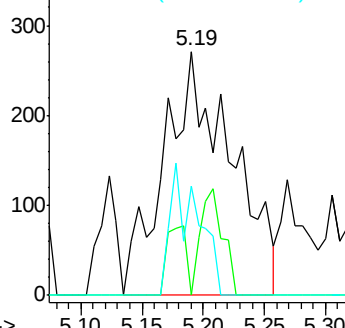
71 21.9 32.8 49.2#



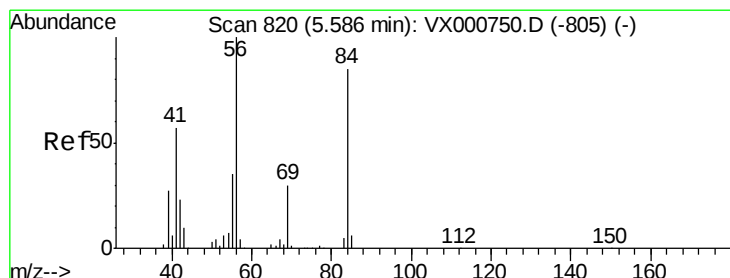
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

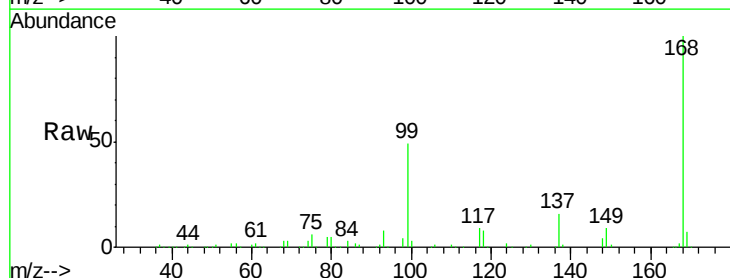
Tgt Ion: 56 Resp: 4428

Ion Ratio Lower Upper

56 100

69 149.9 24.2 36.4#

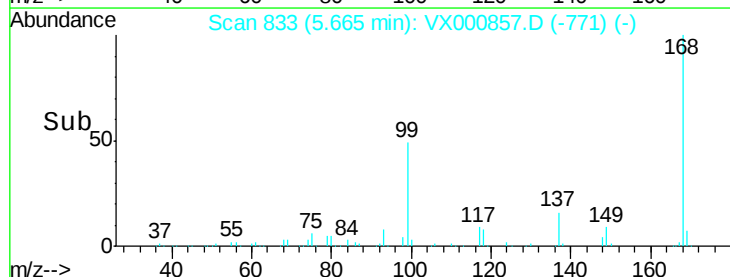
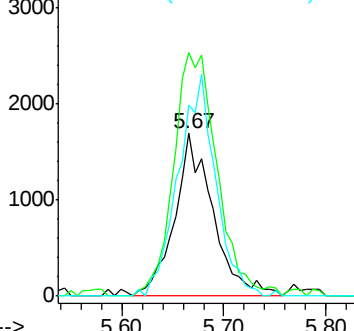
84 117.7 67.6 101.4#



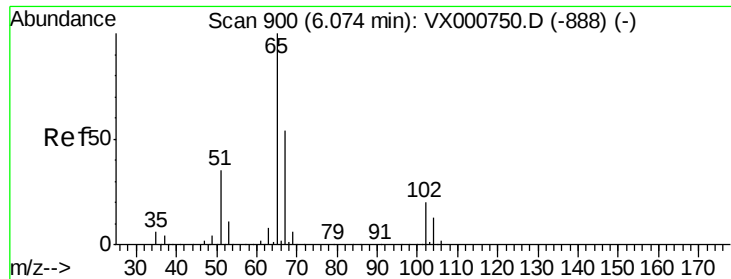
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.87 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

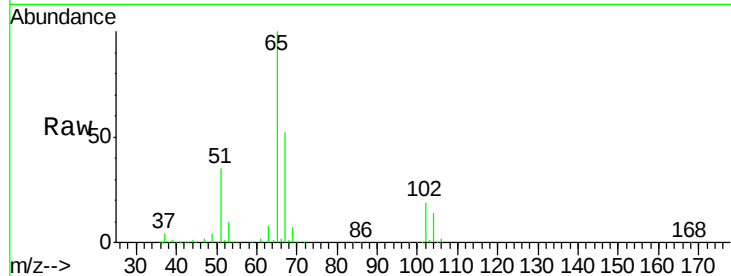
BU-01-041218

Tgt Ion: 65 Resp: 144213

Ion Ratio Lower Upper

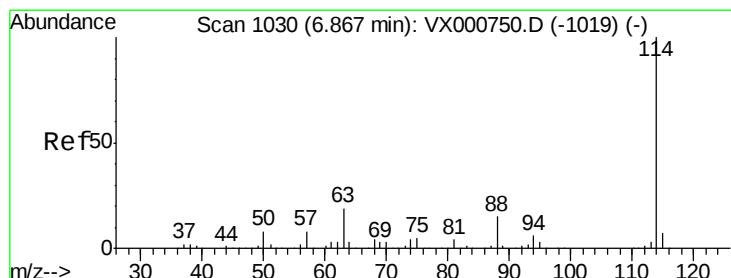
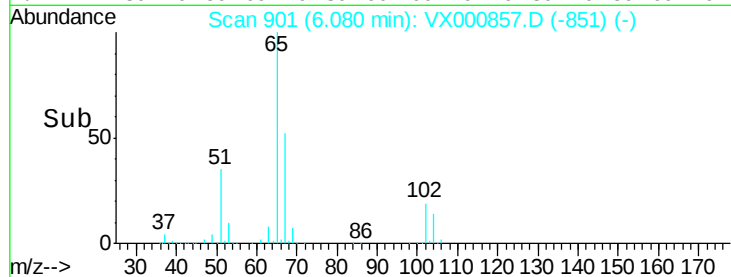
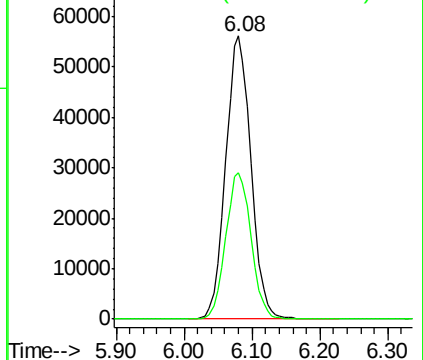
65 100

67 52.0 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: VX000857.D

Acq: 13 Apr 2018 18:34

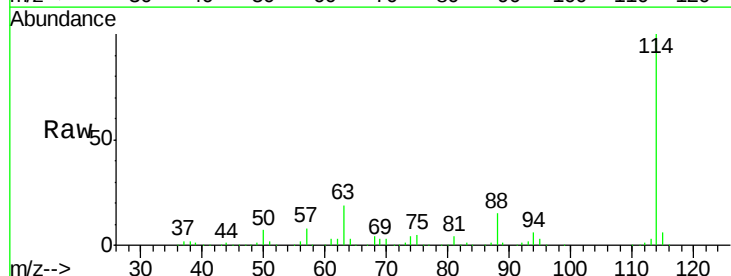
Tgt Ion: 114 Resp: 333098

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

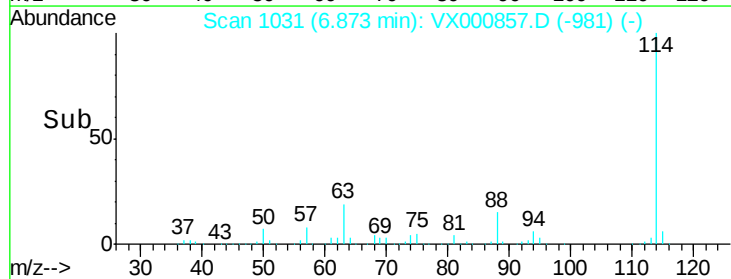
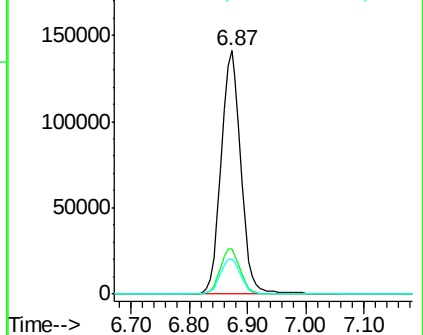
88 14.5 0.0 31.0

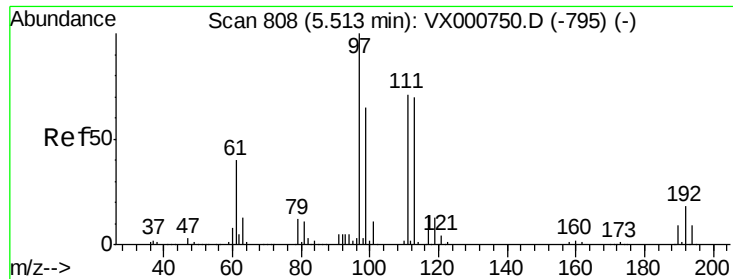


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

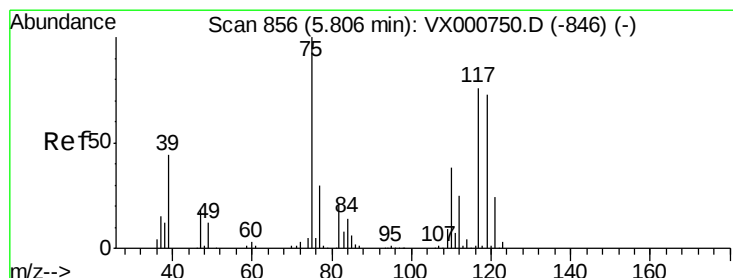
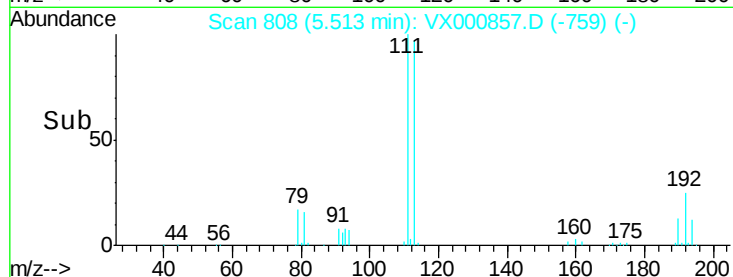
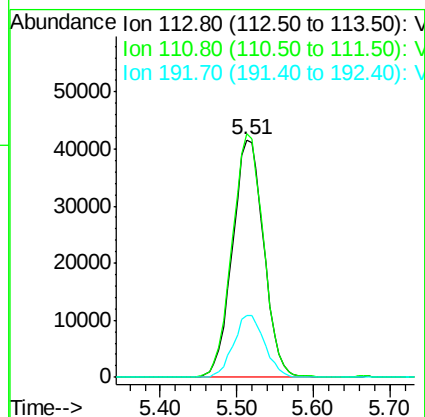
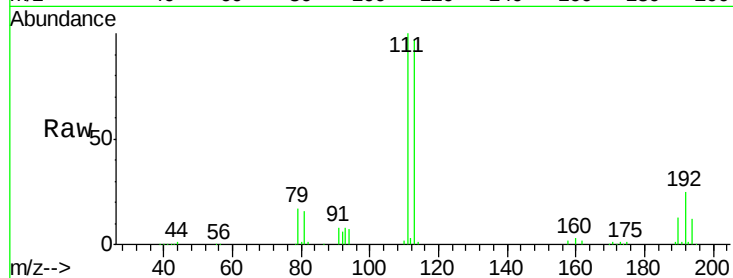




#35
 Dibromofluoromethane
 Concen: 46.02 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000857.D
 Acq: 13 Apr 2018 18:34

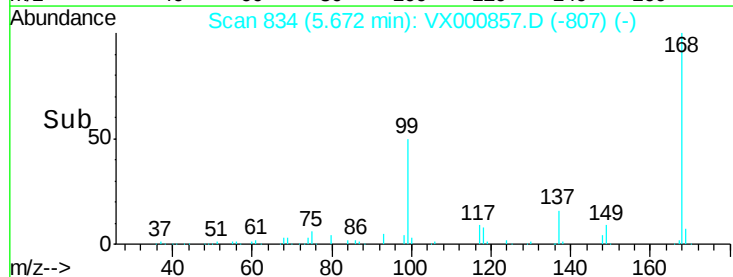
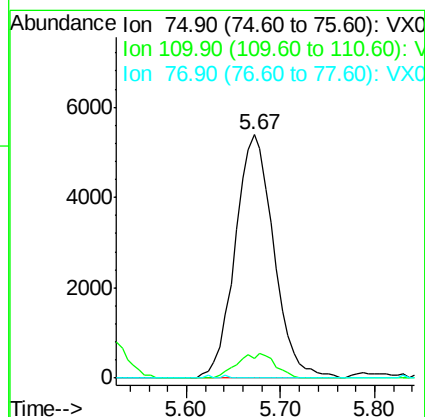
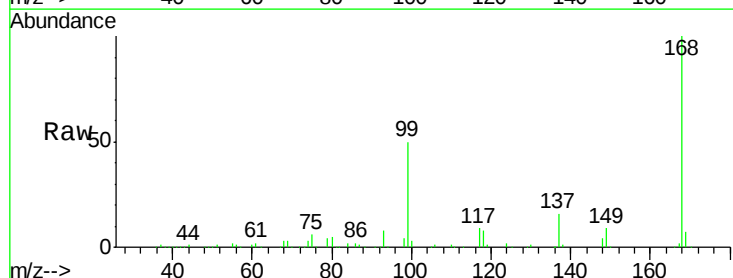
Instrument :
 MSVOA_X
 ClientSampled :
 BU-01-041218

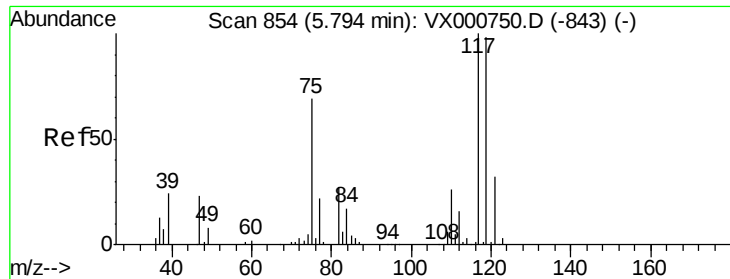
Tgt Ion:113 Resp: 118111
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.5 122.3
 192 25.9 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000857.D
 Acq: 13 Apr 2018 18:34

Tgt Ion: 75 Resp: 15414
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.2 57.6#
 77 0.0 25.4 38.2#

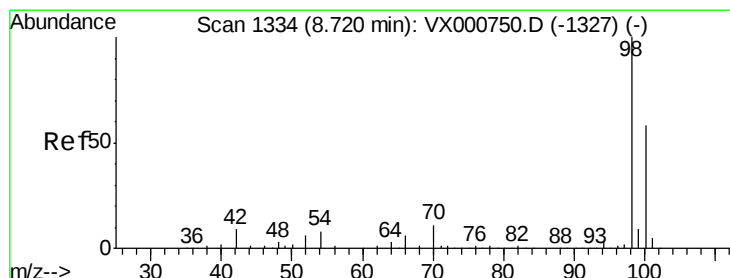
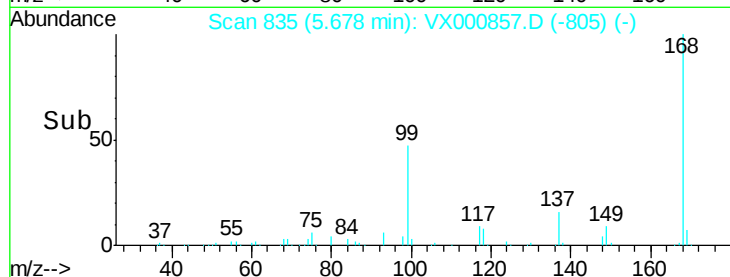
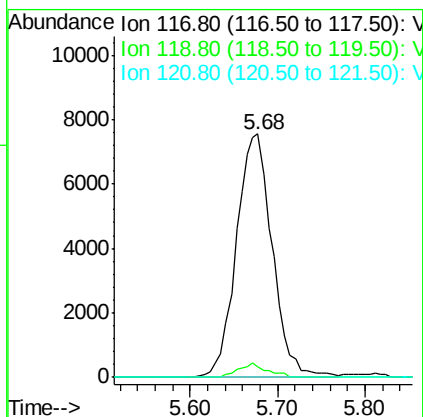
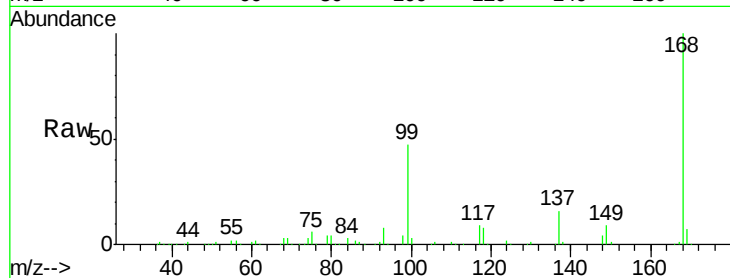




#38
Carbon Tetrachloride
Concen: 5.22 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000857.D
Acq: 13 Apr 2018 18:34

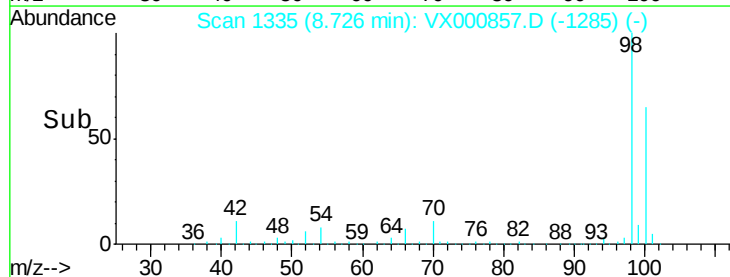
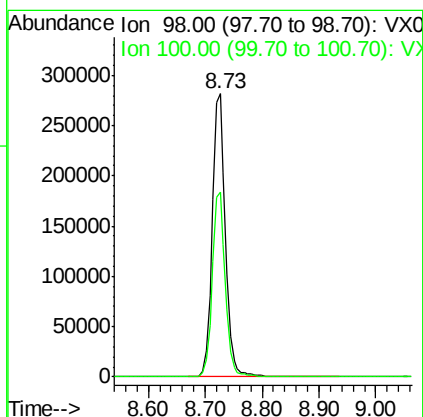
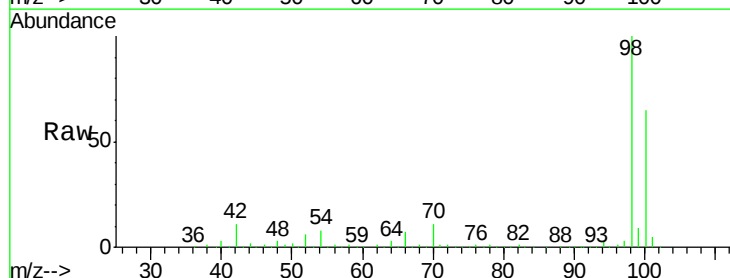
Instrument :
MSVOA_X
ClientSampleId :
BU-01-041218

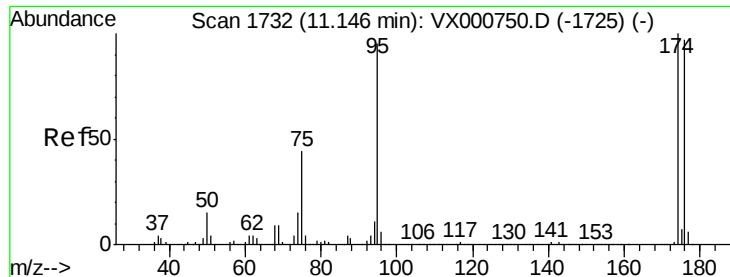
Tgt Ion: 117 Resp: 21437
Ion Ratio Lower Upper
117 100
119 4.2 78.4 117.6#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 47.50 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000857.D
Acq: 13 Apr 2018 18:34

Tgt Ion: 98 Resp: 453927
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0

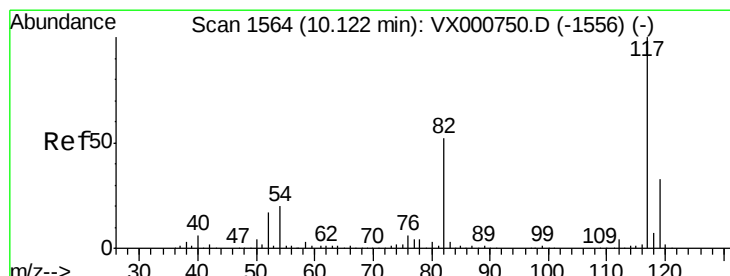
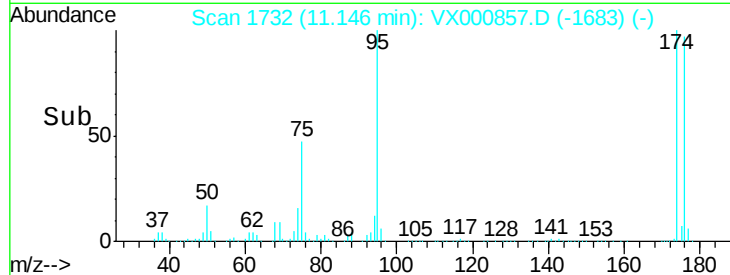
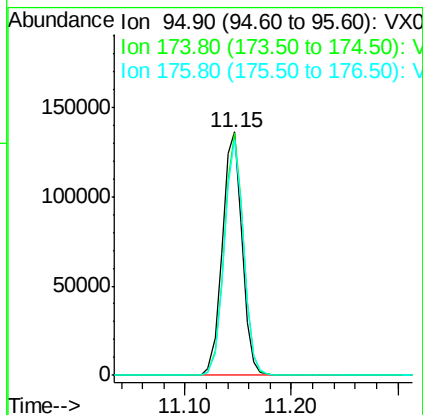
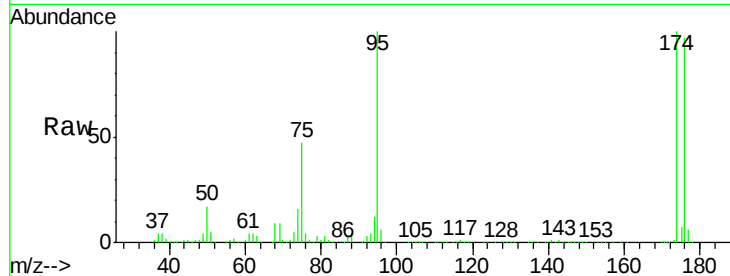




#62
4-Bromofluorobenzene
Concen: 44.59 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000857.D
Acq: 13 Apr 2018 18:34

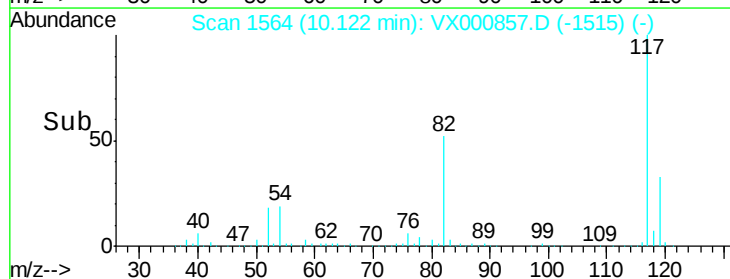
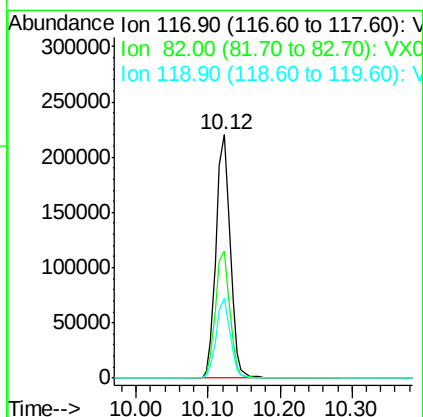
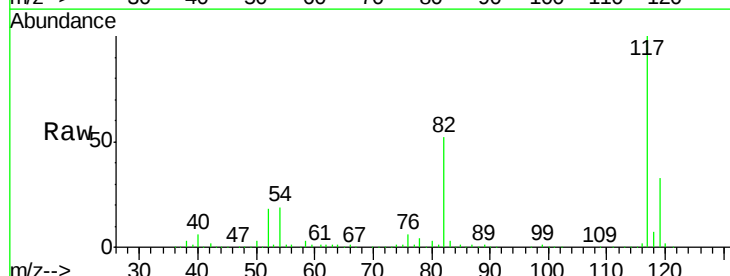
Instrument :
MSVOA_X
ClientSampleId :
BU-01-041218

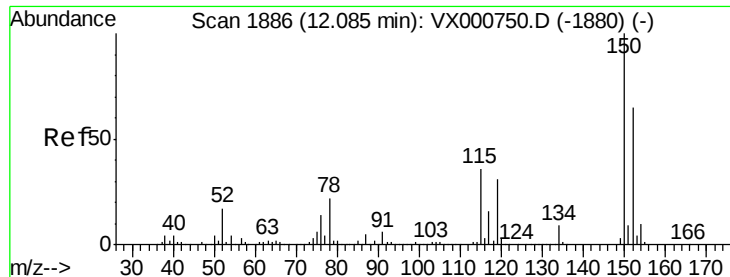
Tgt Ion: 95 Resp: 176269
Ion Ratio Lower Upper
95 100
174 97.3 0.0 198.4
176 94.7 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000857.D
Acq: 13 Apr 2018 18:34

Tgt Ion: 117 Resp: 300978
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 32.7 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: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

BU-01-041218

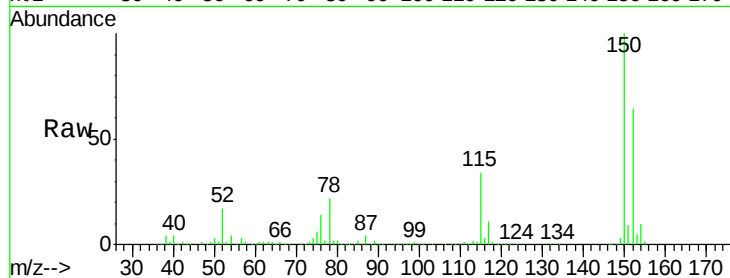
Tgt Ion:152 Resp: 195372

Ion Ratio Lower Upper

152 100

115 53.7 37.9 113.7

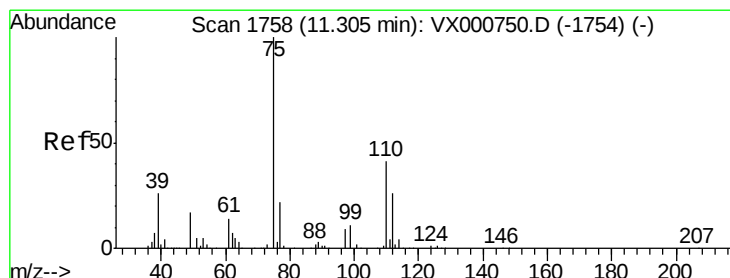
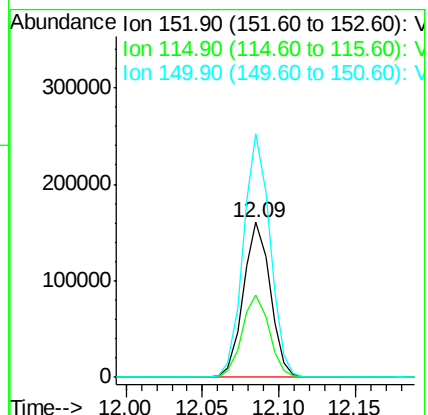
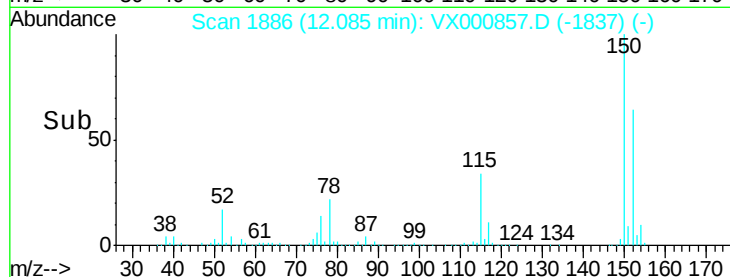
150 156.4 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 25.82 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000857.D

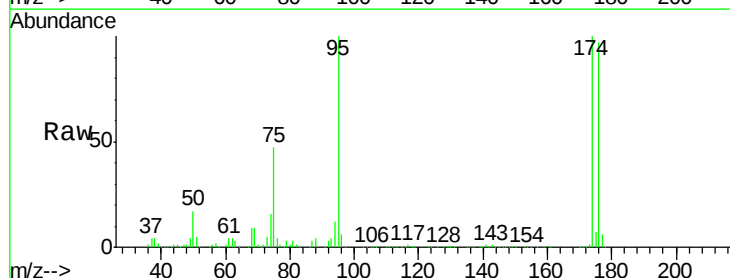
Acq: 13 Apr 2018 18:34

Tgt Ion: 75 Resp: 86992

Ion Ratio Lower Upper

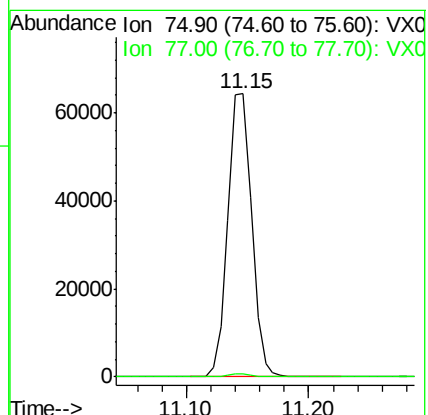
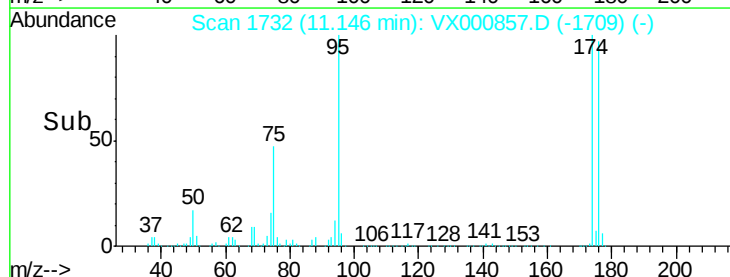
75 100

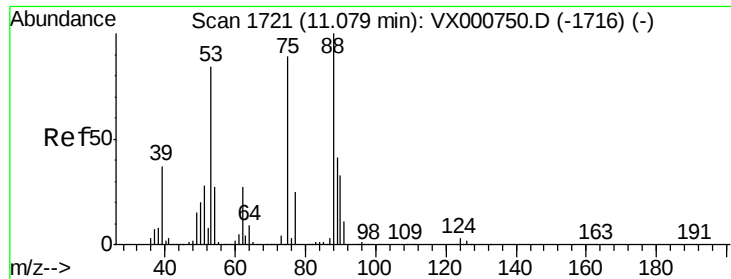
77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.02 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

BU-01-041218

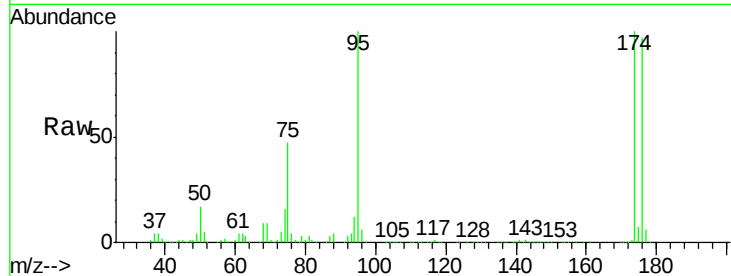
Tgt Ion: 75 Resp: 86992

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

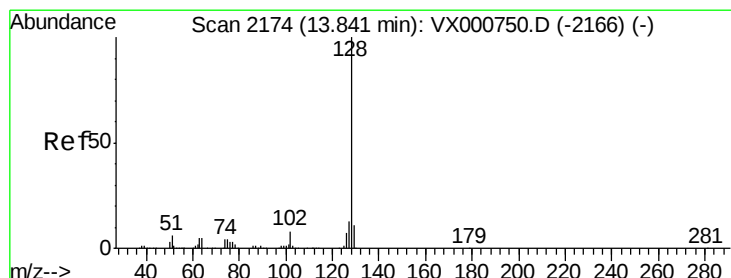
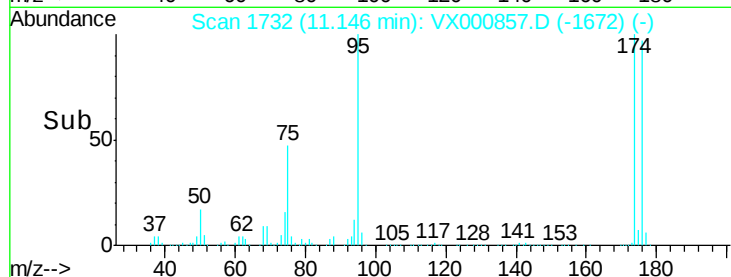
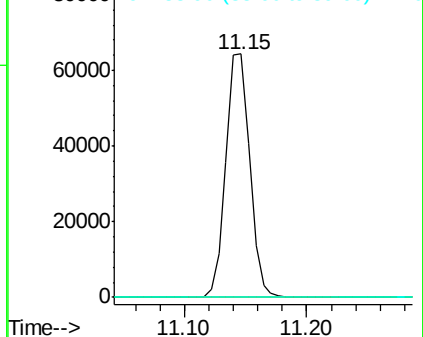
89 0.0 40.9 61.3#



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



#95

Naphthalene

Concen: 2.85 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000857.D

Acq: 13 Apr 2018 18:34

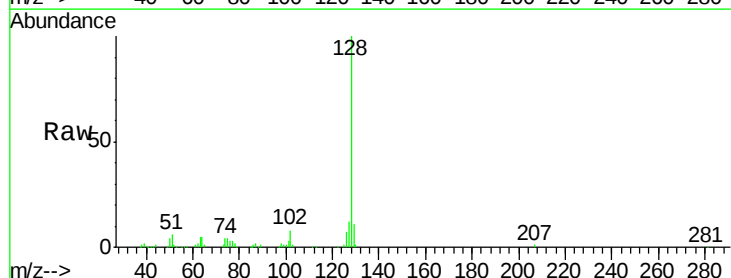
Tgt Ion: 128 Resp: 40562

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.3 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

