

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000221.D
 Acq On : 08 Mar 2018 13:47
 Operator : JC/MD
 Sample : J1791-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAR)

Quant Time: Mar 08 16:05:05 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.04	128	21542	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	126816	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	120889	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	54442	32.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.83%
60) 4-Bromofluorobenzene	11.15	95	56170	28.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.67%
63) Toluene-d8	8.73	98	155041	29.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.80%

Target Compounds

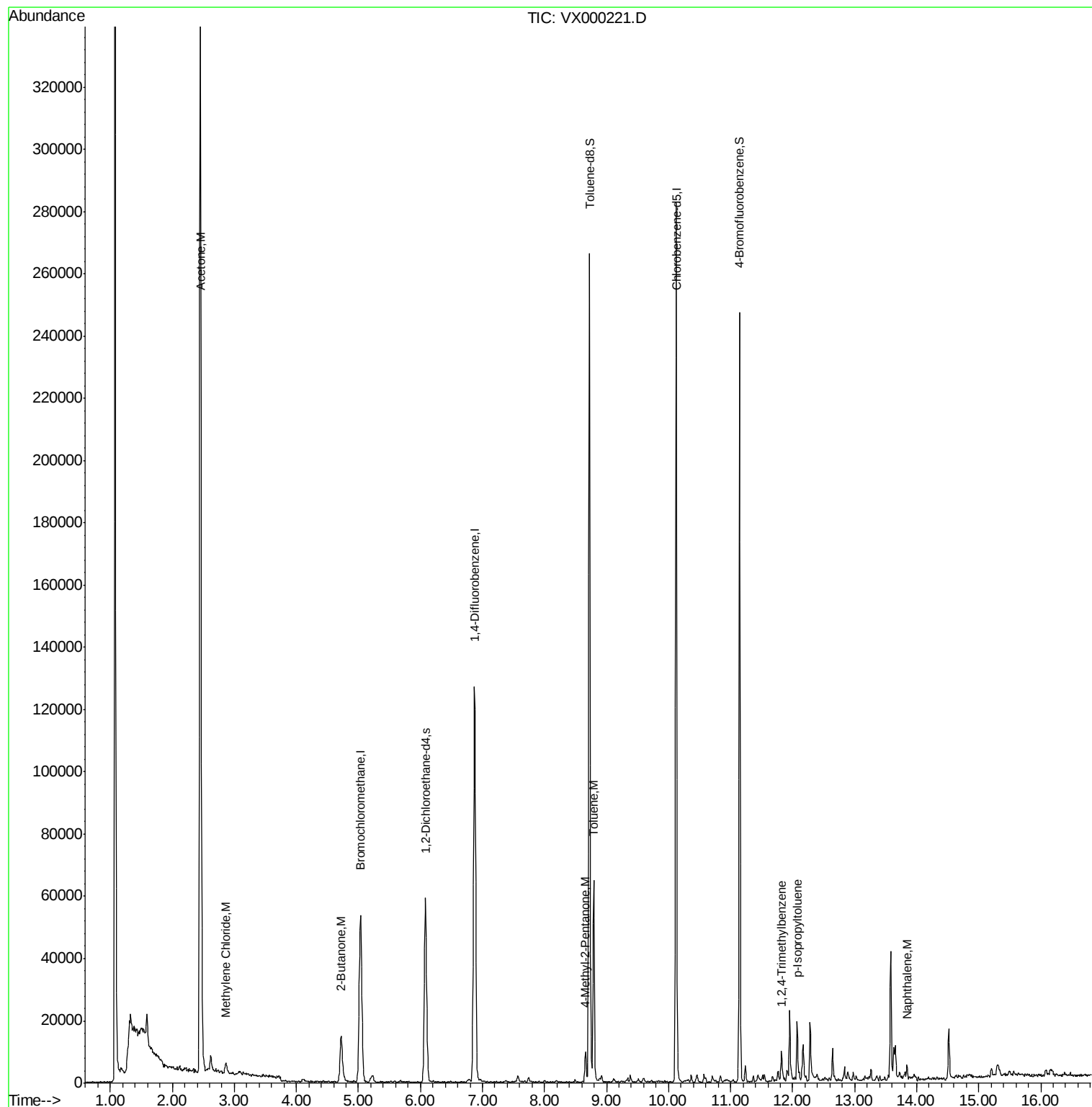
						Ovalue
15) Acetone	2.45	58	137498	378.39	ug/l	94
18) Methylene Chloride	2.86	84	1548	0.99	ug/l #	90
30) 2-Butanone	4.72	43	25894	18.22	ug/l #	97
58) 4-Methyl-2-Pentanone	8.66	43	6120	2.31	ug/l	97
62) Toluene	8.79	91	38177	6.07	ug/l	99
80) 1,2,4-Trimethylbenzene	11.82	105	2389	0.37	ug/l	81
82) p-Isopropyltoluene	12.07	119	7651	1.11	ug/l	98
91) Naphthalene	13.84	128	2725	0.29	ug/l	97

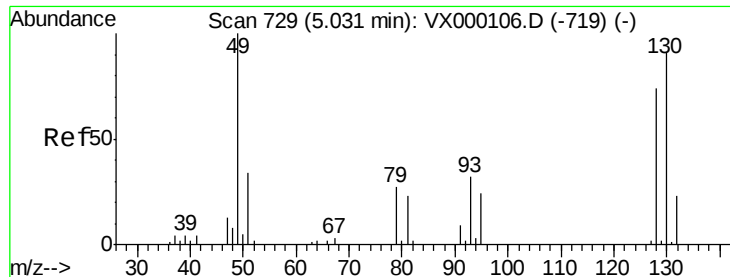
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 06:17:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.04 min Scan# 730

Delta R.T. 0.01 min

Lab File: VX000221.D

Acq: 08 Mar 2018 13:47

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAR)

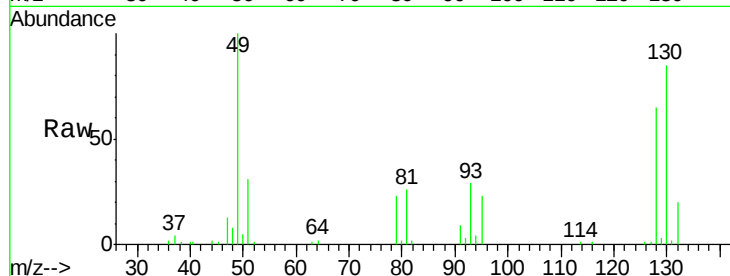
Tot Ion:128 Resp: 21542

Ion Ratio Lower Upper

128 100

49 159.5 0.0 378.3

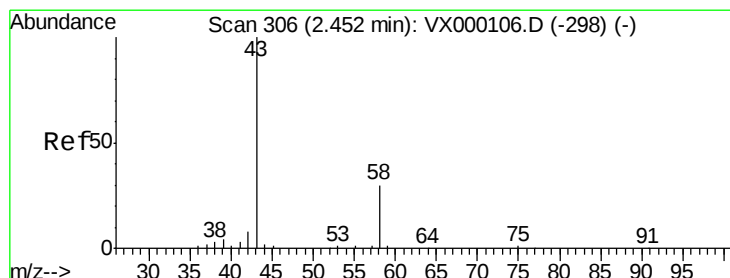
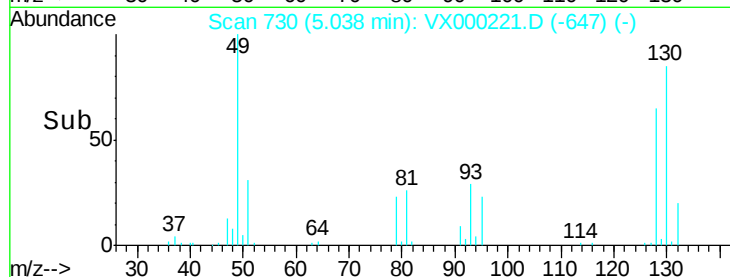
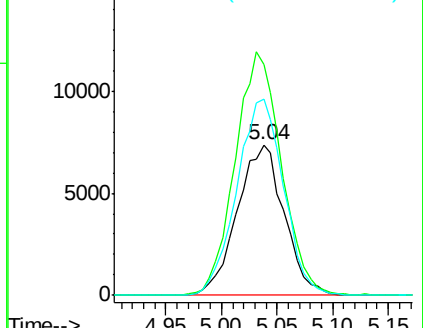
130 130.5 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 378.39 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000221.D

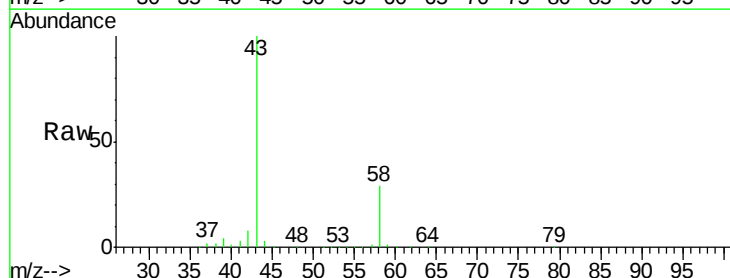
Acq: 08 Mar 2018 13:47

Tgt Ion: 58 Resp: 137498

Ion Ratio Lower Upper

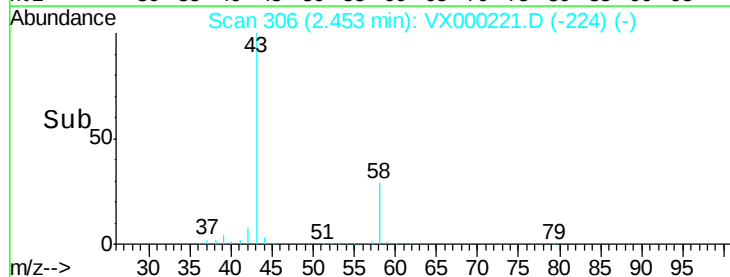
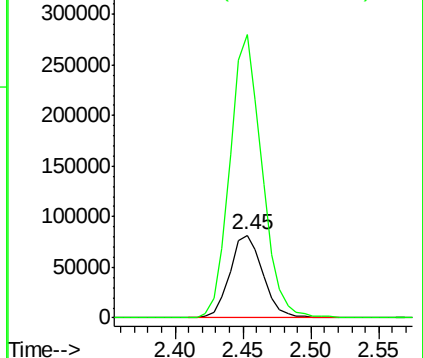
58 100

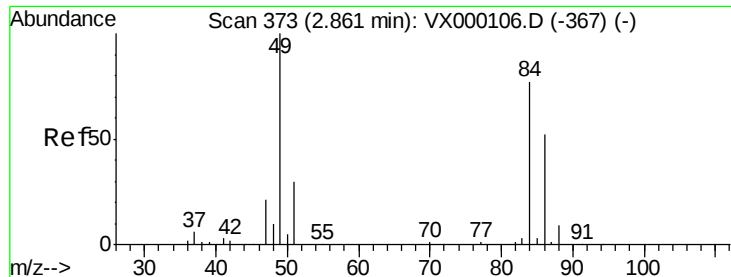
43 342.4 264.6 396.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

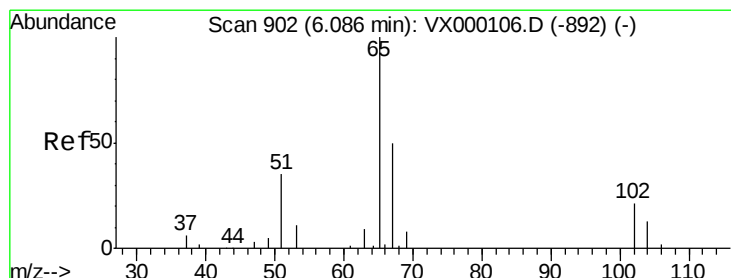
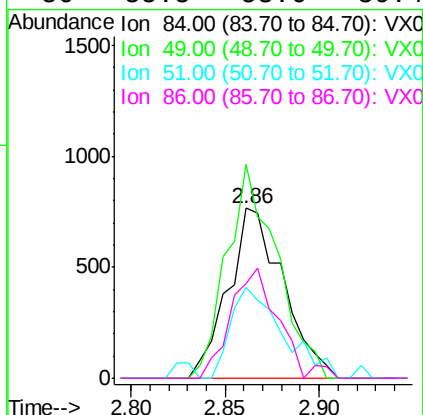
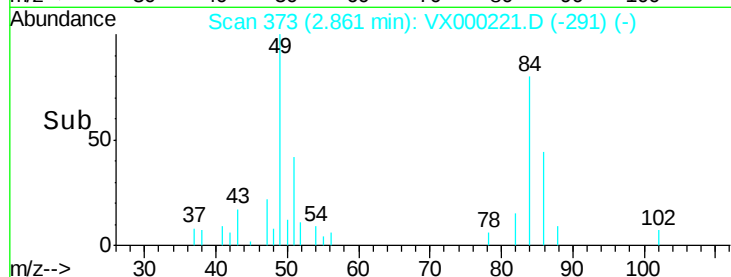
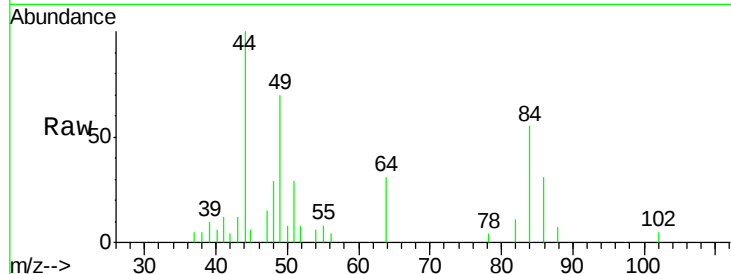




#18
Methylene Chloride
Concen: 0.99 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

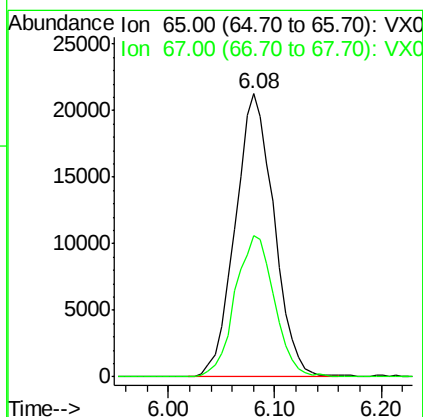
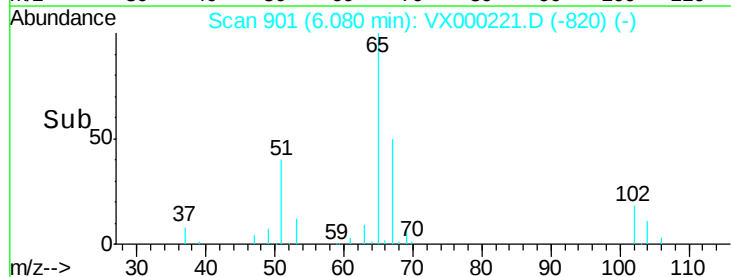
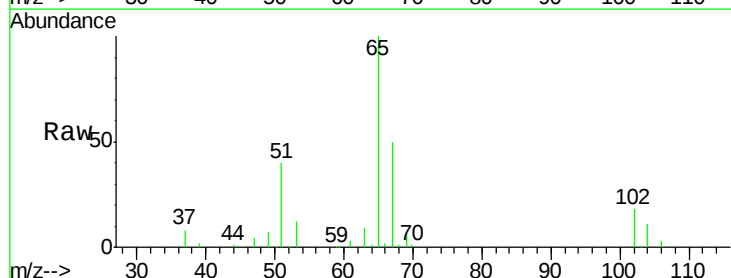
Instrument :
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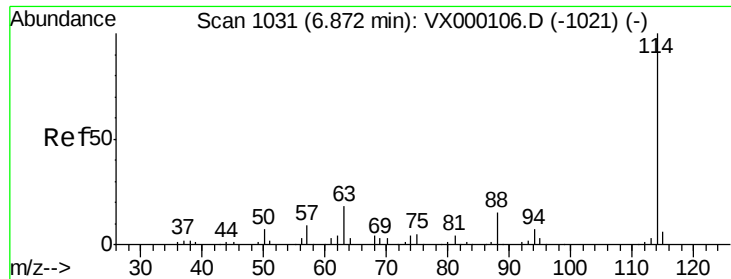
Tot Ion: 84 Resp: 1548
Ion Ratio Lower Upper
84 100
49 125.6 103.3 154.9
51 53.2 31.2 46.8#
86 55.5 53.6 80.4



#27
1,2-Dichloroethane-d4
Concen: 32.65 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.01 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

Tgt Ion: 65 Resp: 54442
Ion Ratio Lower Upper
65 100
67 50.5 41.4 62.2

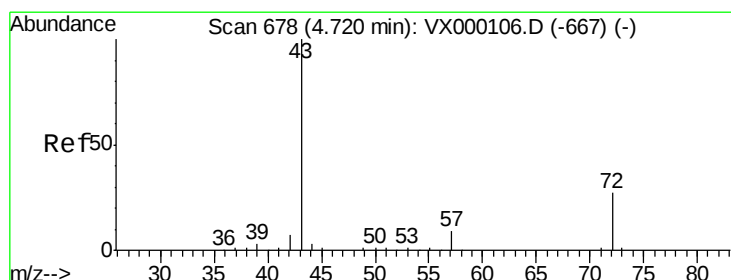
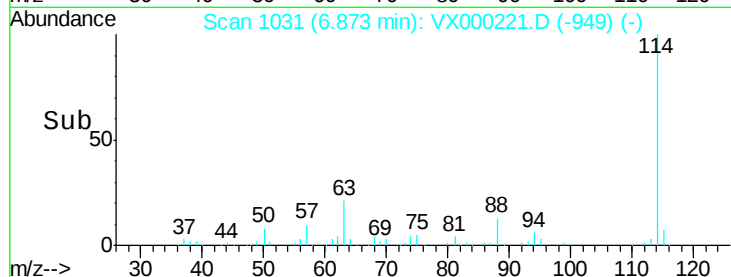
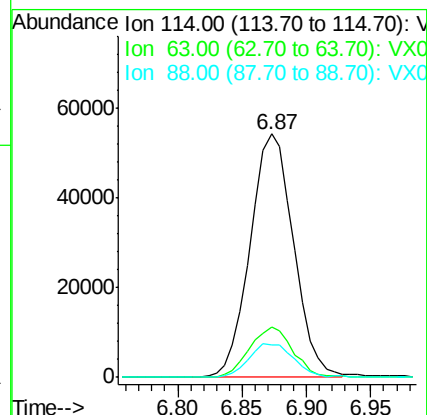
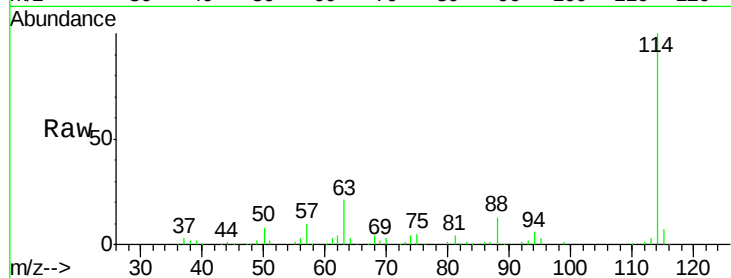




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000221.D
 Acq: 08 Mar 2018 13:47

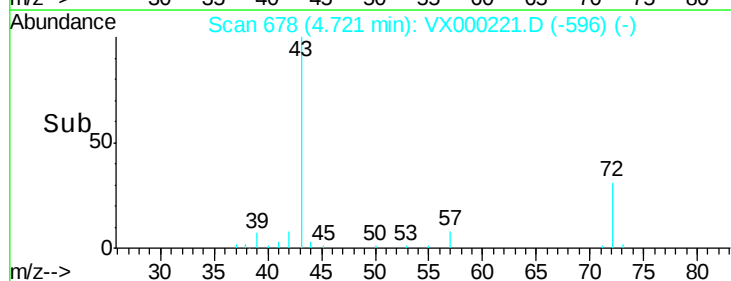
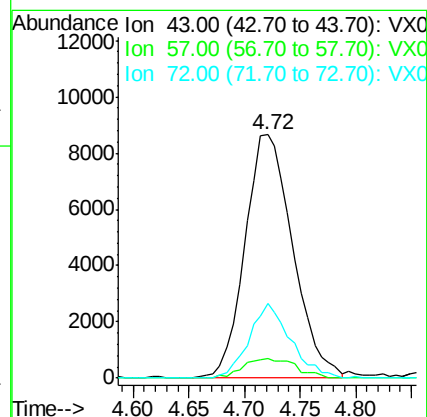
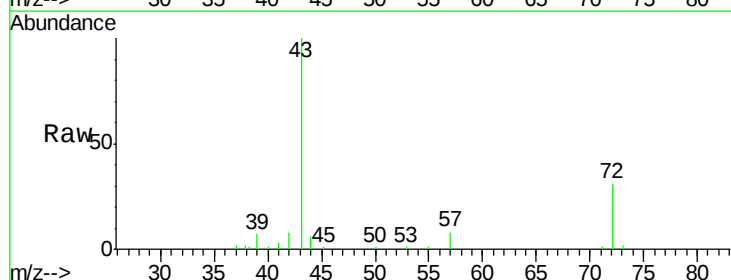
Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAR)

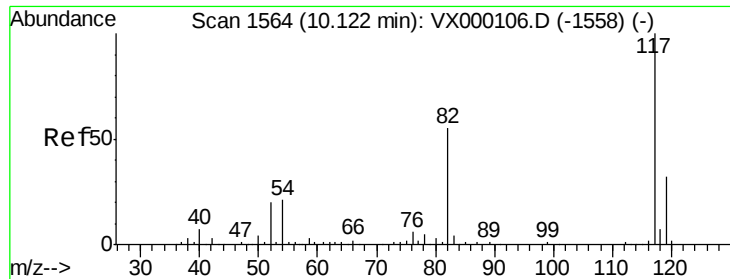
Tot Ion:114 Resp: 126816
 Ion Ratio Lower Upper
 114 100
 63 20.3 15.0 22.4
 88 14.2 11.8 17.8



#30
 2-Butanone
 Concen: 18.22 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX000221.D
 Acq: 08 Mar 2018 13:47

Tgt Ion: 43 Resp: 25894
 Ion Ratio Lower Upper
 43 100
 57 5.4 6.6 10.0#
 72 26.5 21.8 32.6

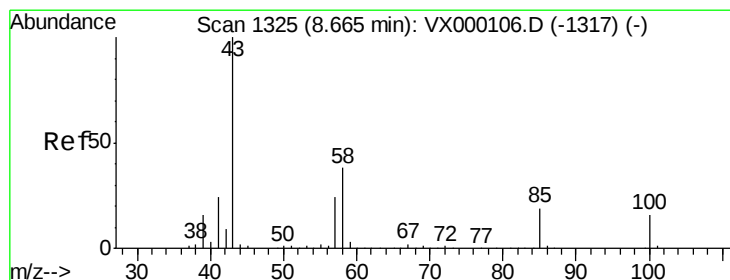
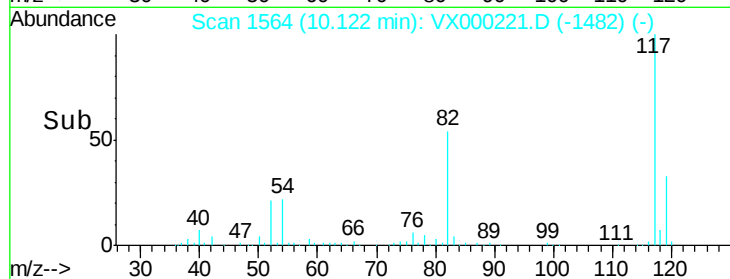
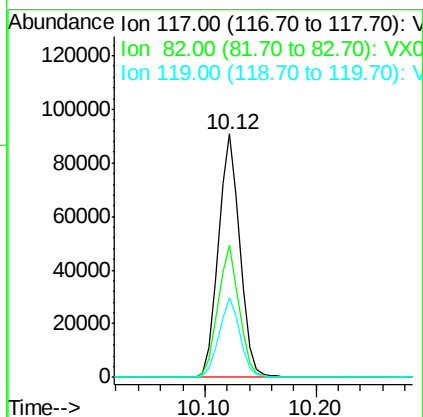
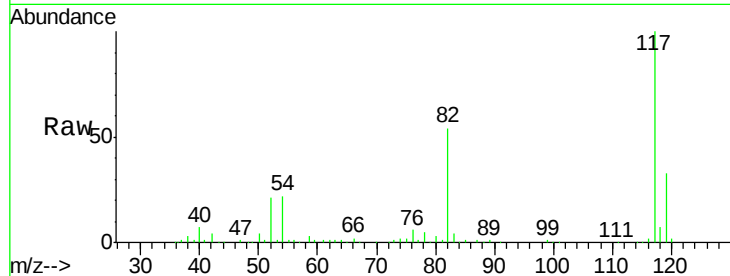




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

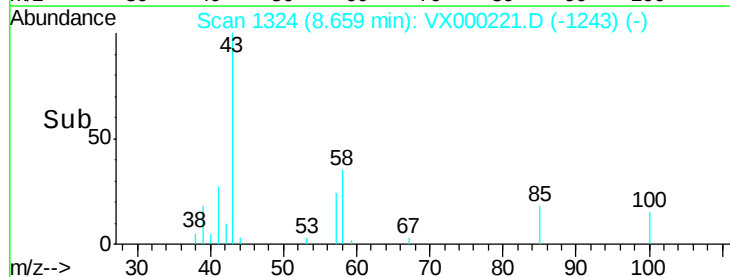
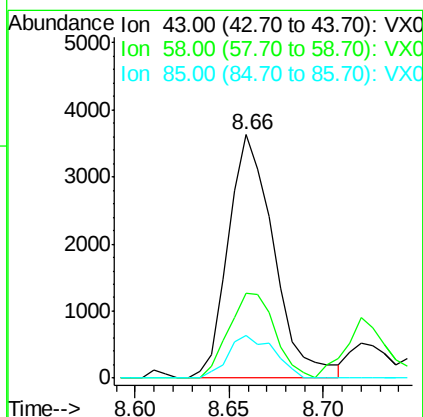
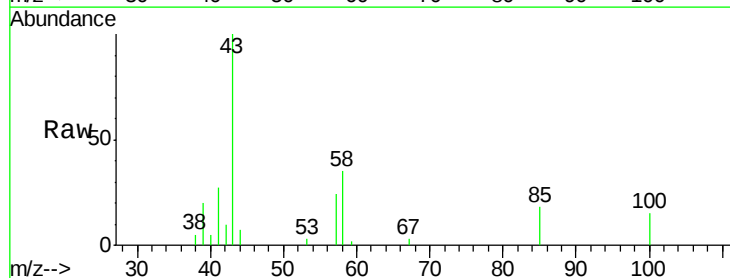
Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAR)

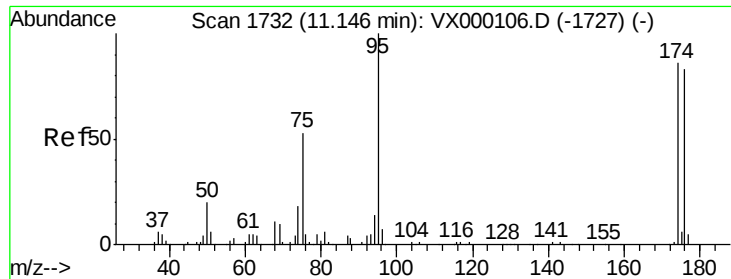
Tot Ion:117 Resp: 120889
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.0 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 2.31 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.01 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

Tgt Ion: 43 Resp: 6120
Ion Ratio Lower Upper
43 100
58 35.2 29.8 44.8
85 17.8 14.9 22.3

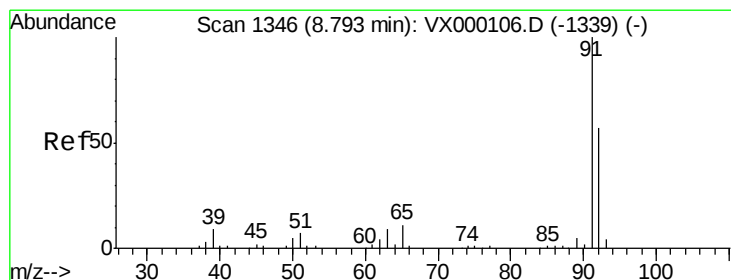
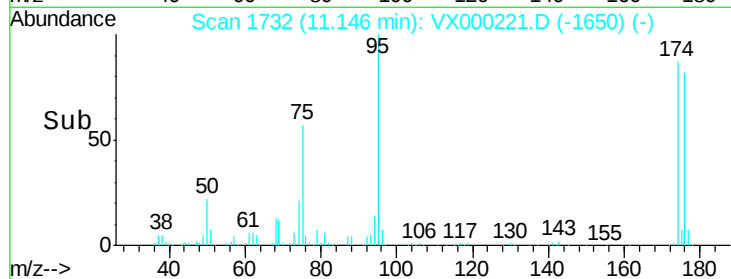
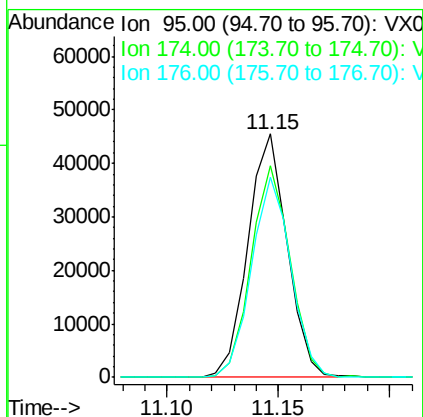
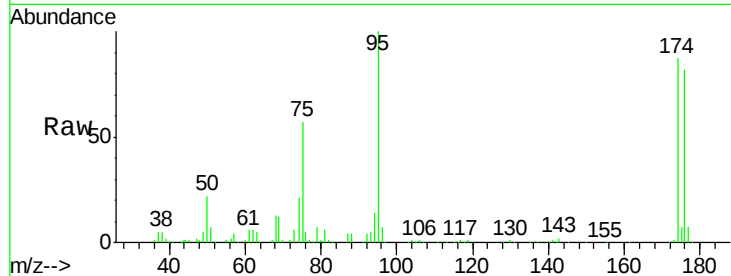




#60
4-Bromofluorobenzene
Concen: 28.40 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

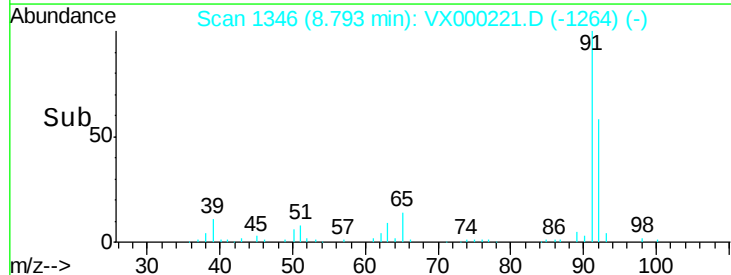
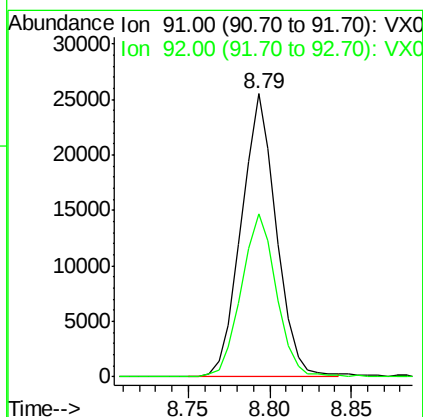
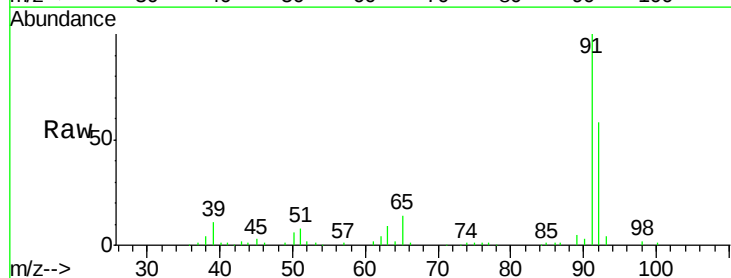
Instrument :
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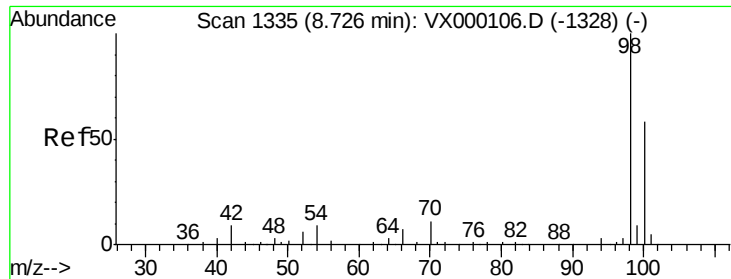
Tot Ion: 95 Resp: 56170
Ion Ratio Lower Upper
95 100
174 85.7 71.1 106.7
176 82.4 69.3 103.9



#62
Toluene
Concen: 6.07 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

Tgt Ion: 91 Resp: 38177
Ion Ratio Lower Upper
91 100
92 57.3 45.4 68.0





#63

Toluene-d8

Concen: 29.94 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000221.D

Acq: 08 Mar 2018 13:47

Instrument :

MSVOA_X

ClientSampleId :

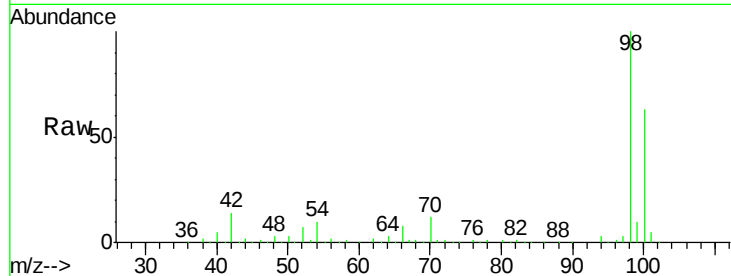
002M-35TH-AVE(MAR)

Tot Ion: 98 Resp: 155041

Ion Ratio Lower Upper

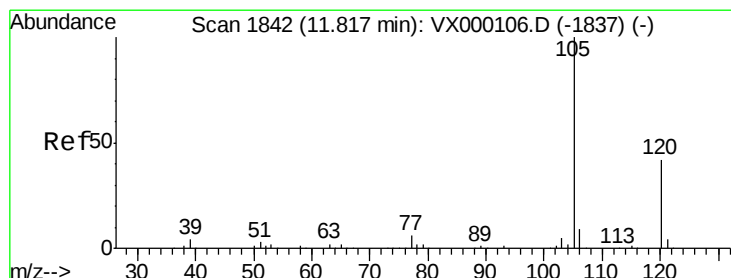
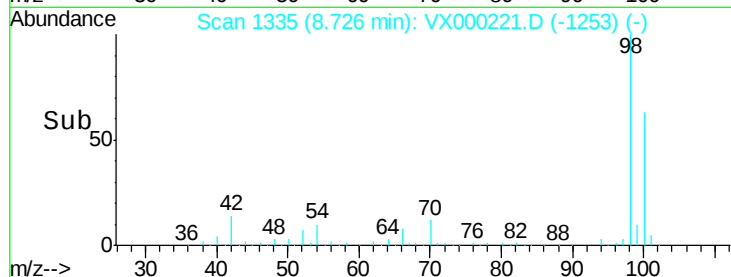
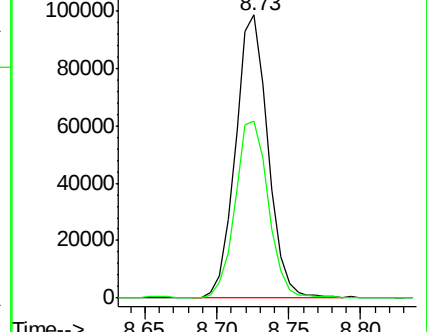
98 100

100 64.2 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#80

1,2,4-Trimethylbenzene

Concen: 0.37 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000221.D

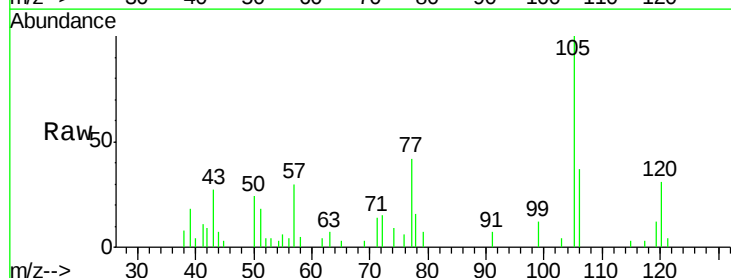
Acq: 08 Mar 2018 13:47

Tgt Ion:105 Resp: 2389

Ion Ratio Lower Upper

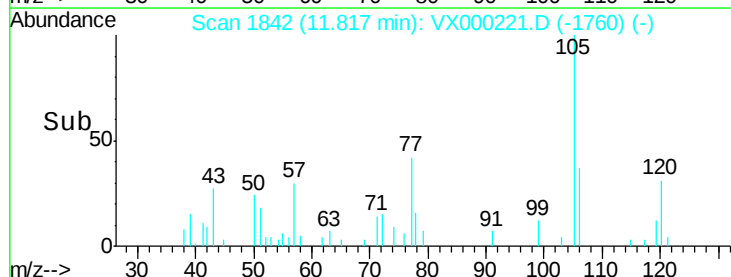
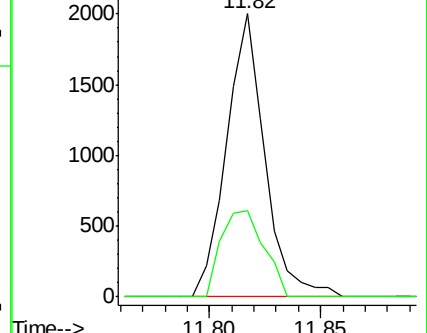
105 100

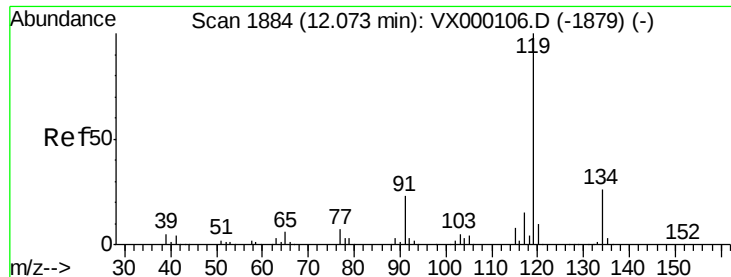
120 34.0 0.0 93.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

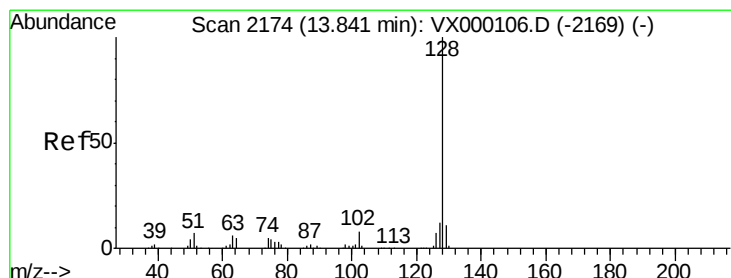
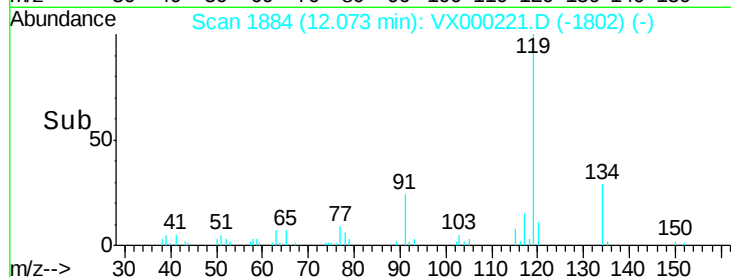
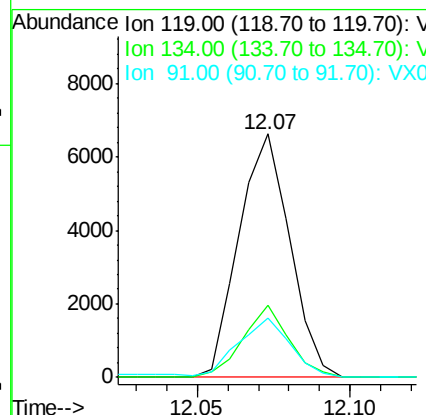
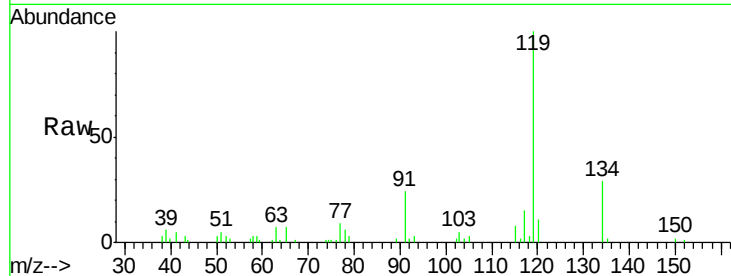




#82
p-Isopropyltoluene
Concen: 1.11 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

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Tot Ion:119 Resp: 7651
Ion Ratio Lower Upper
119 100
134 26.7 0.0 54.4
91 25.1 0.0 46.6



#91
Naphthalene
Concen: 0.29 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000221.D
Acq: 08 Mar 2018 13:47

Tgt Ion:128 Resp: 2725
Ion Ratio Lower Upper
128 100
127 14.9 10.5 15.7
129 12.1 9.0 13.6

