

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
 Data File : VX001630.D
 Acq On : 11 May 2018 04:48
 Operator : JC/MD
 Sample : J2801-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTFALL-002

Quant Time: May 11 07:52:13 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	53560	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	298922	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	269558	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	126460	32.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.87%
60) 4-Bromofluorobenzene	11.14	95	121004	28.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.57%
63) Toluene-d8	8.72	98	349539	29.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.93%

Target Compounds

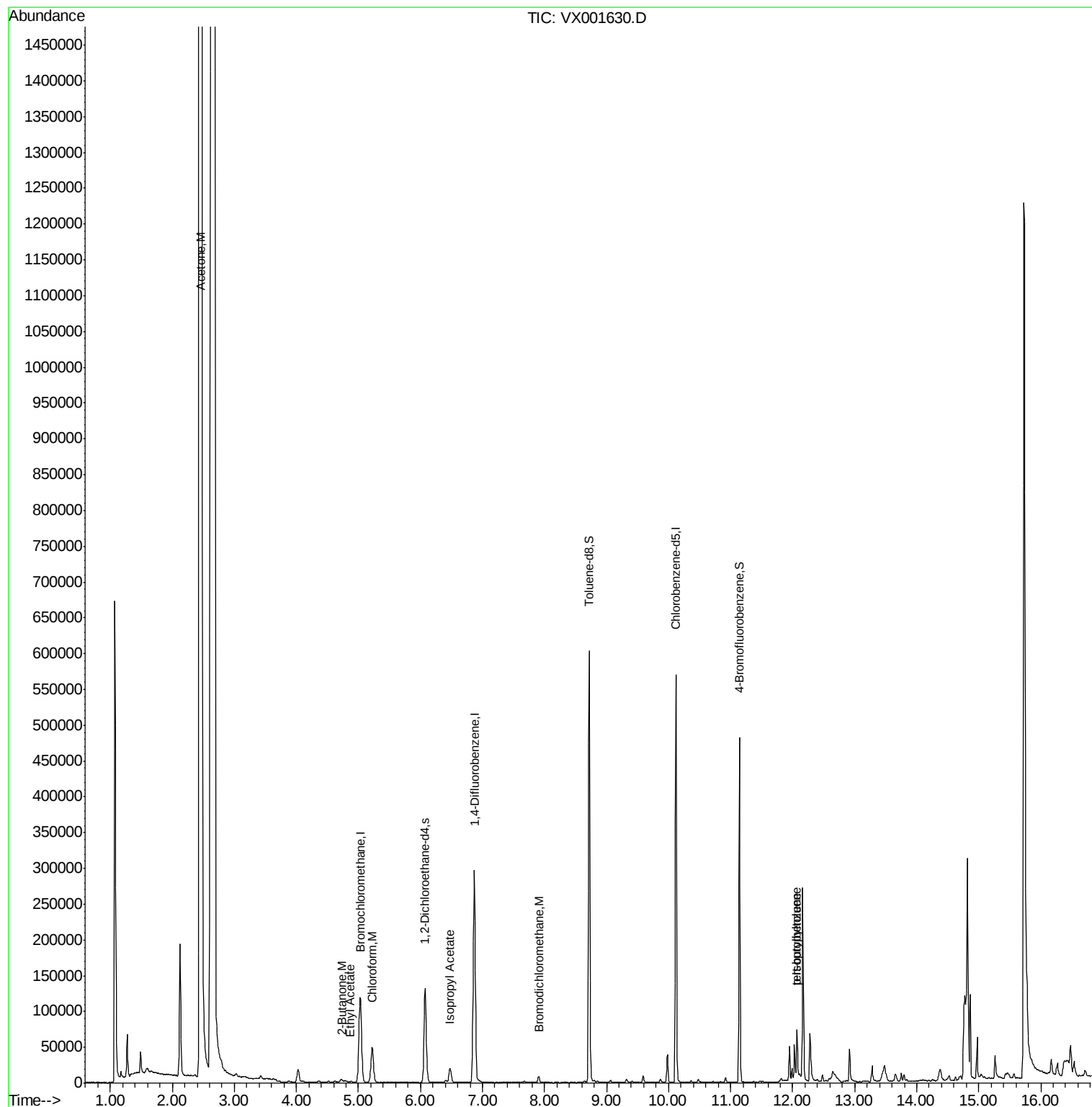
					Ovalue	
15) Acetone	2.45	58	4805082	10622.84	ug/l	# 65
25) Chloroform	5.22	83	55313	10.57	ug/l	98
30) 2-Butanone	4.73	43	7174	2.90	ug/l	# 96
41) Bromodichloromethane	7.91	83	4782	1.18	ug/l	# 95
43) Ethyl Acetate	4.87	43	1999	0.42	ug/l	100
44) Isopropyl Acetate	6.48	43	25771	3.56	ug/l	99
79) tert-butylbenzene	12.07	119	30416	2.49	ug/l	89
82) p-Isopropyltoluene	12.07	119	30416	2.49	ug/l	89

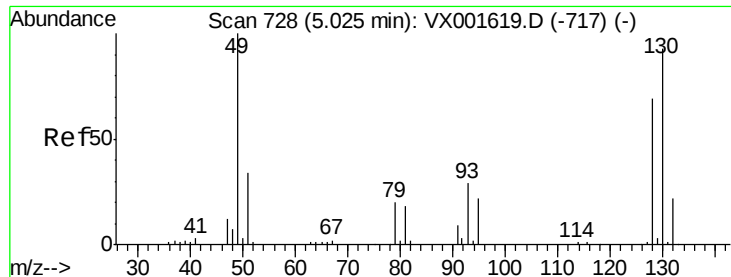
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 11 07:52:13 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX001630.D

Acq: 11 May 2018 04:48

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTFALL-002

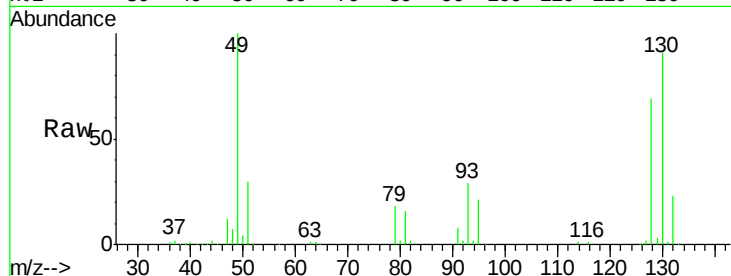
Tot Ion:128 Resp: 53560

Ion Ratio Lower Upper

128 100

49 144.1 0.0 372.0

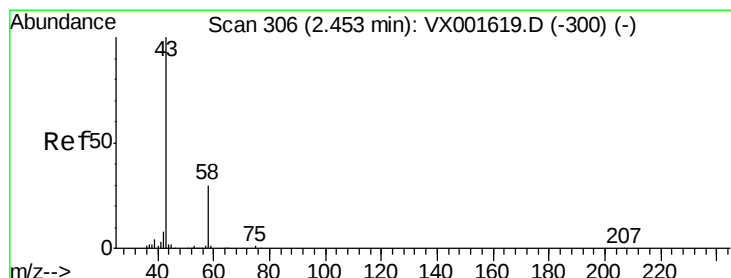
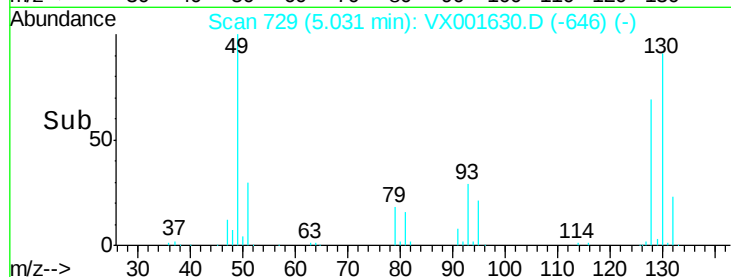
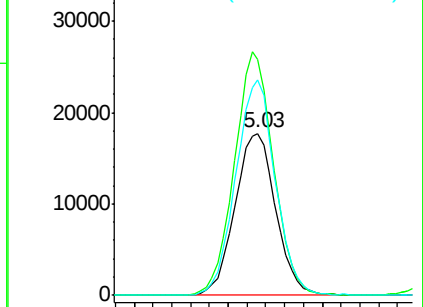
130 129.2 0.0 326.5



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: 10622.84 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001630.D

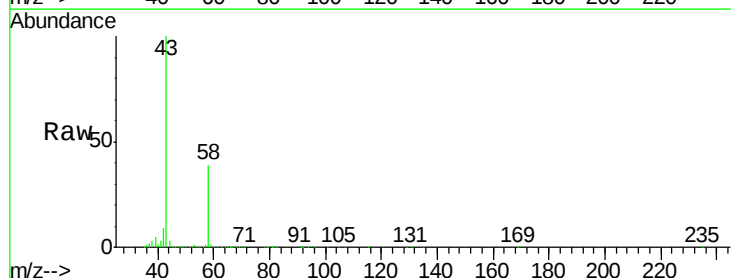
Acq: 11 May 2018 04:48

Tgt Ion: 58 Resp: 4805082

Ion Ratio Lower Upper

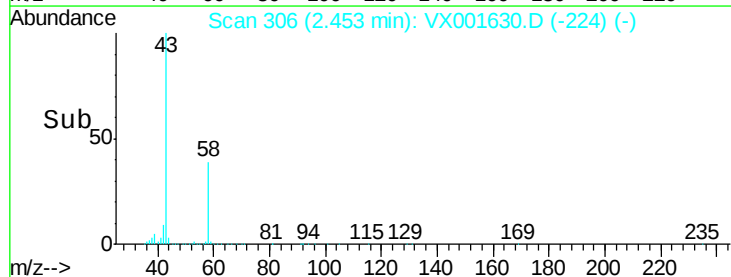
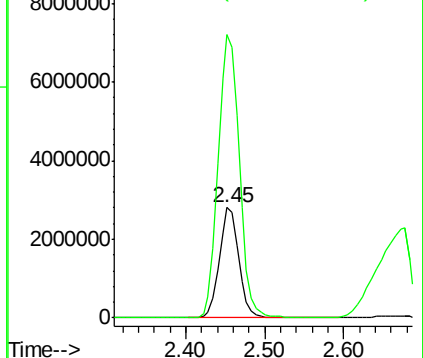
58 100

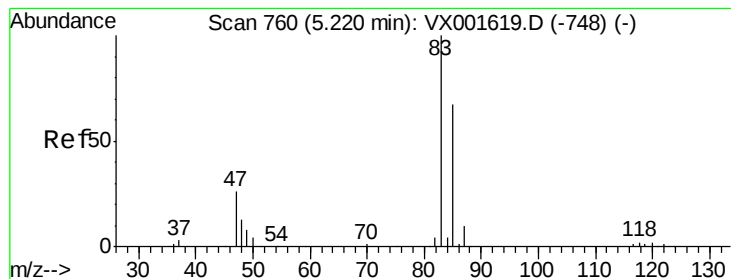
43 257.4 264.2 396.2#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 10.57 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX001630.D

Acq: 11 May 2018 04:48

Instrument :

MSVOA_X

ClientSampleId :

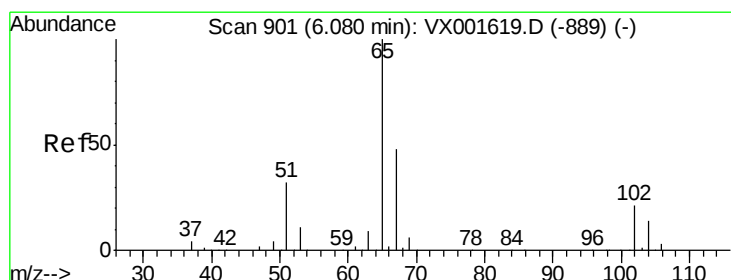
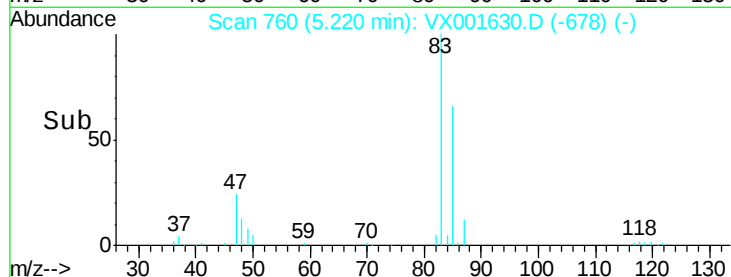
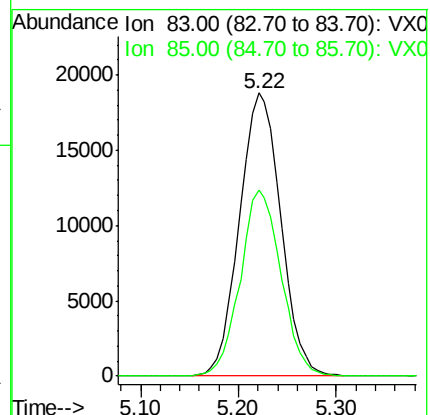
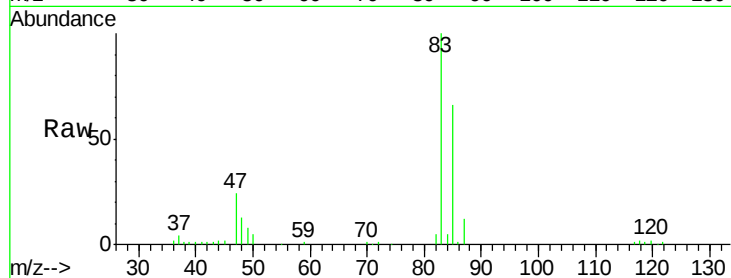
SEWER-OUTFALL-002

Tot Ion: 83 Resp: 55313

Ion Ratio Lower Upper

83 100

85 65.8 53.9 80.9



#27

1,2-Dichloroethane-d4

Concen: 32.36 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX001630.D

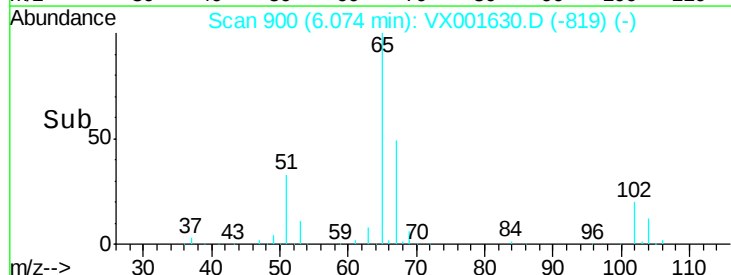
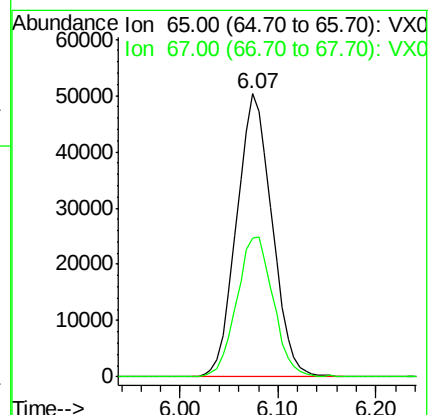
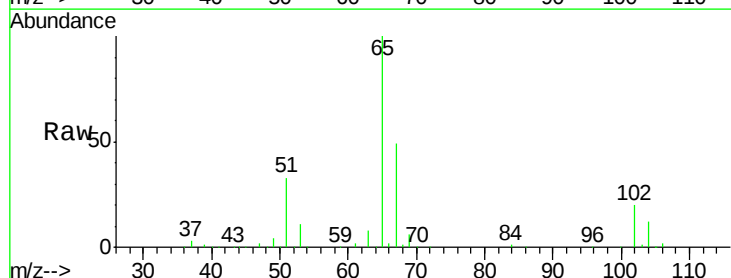
Acq: 11 May 2018 04:48

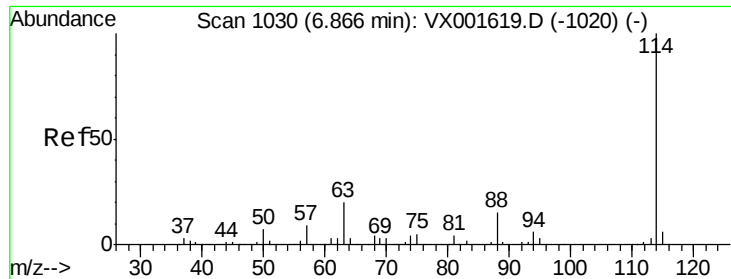
Tgt Ion: 65 Resp: 126460

Ion Ratio Lower Upper

65 100

67 50.9 40.2 60.2

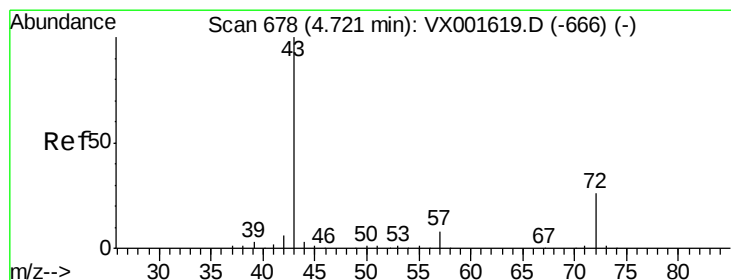
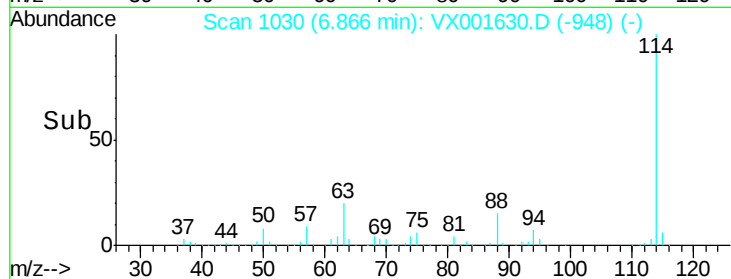
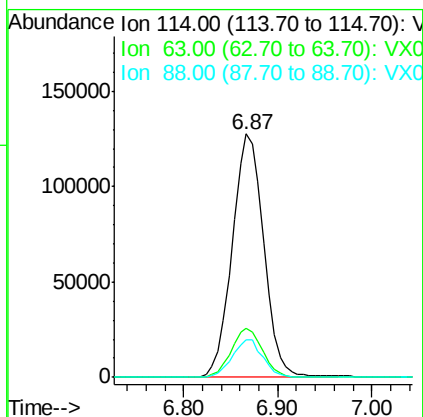
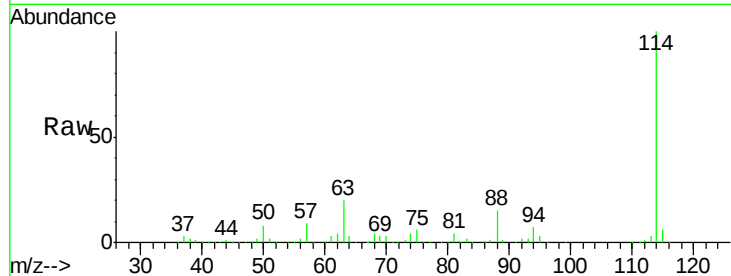




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001630.D
 Acq: 11 May 2018 04:48

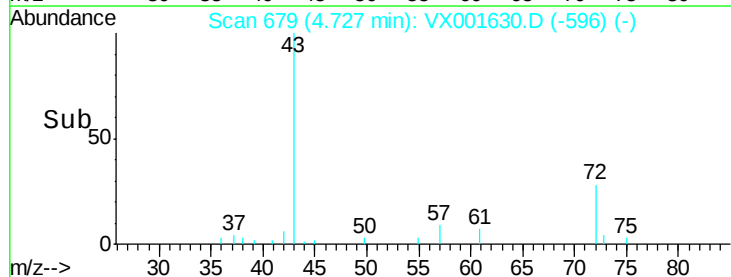
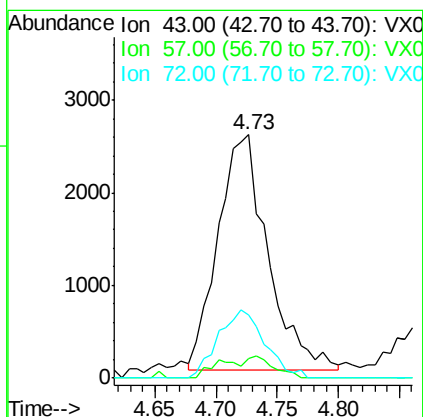
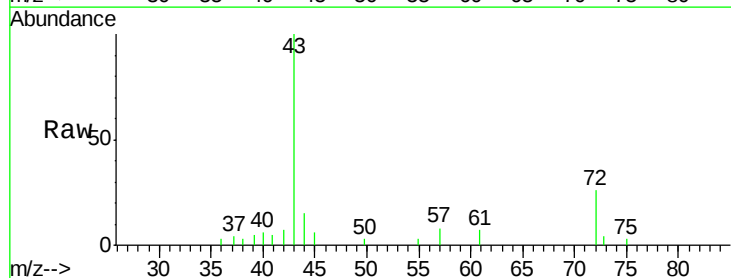
Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTFALL-002

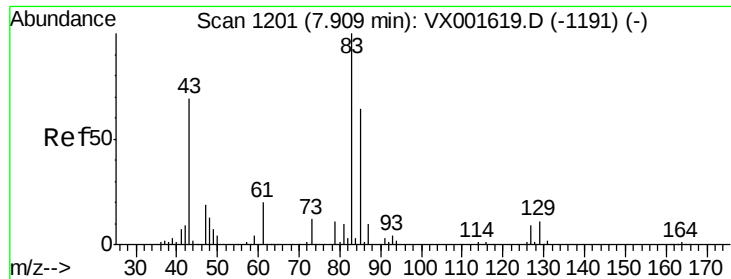
Tot Ion:114 Resp: 298922
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.5 23.3
 88 15.0 12.2 18.4



#30
 2-Butanone
 Concen: 2.90 ug/l
 RT: 4.73 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VX001630.D
 Acq: 11 May 2018 04:48

Tgt Ion: 43 Resp: 7174
 Ion Ratio Lower Upper
 43 100
 57 5.1 6.3 9.5#
 72 26.7 20.2 30.4





#41

Bromodichloromethane

Concen: 1.18 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001630.D

Acq: 11 May 2018 04:48

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTFALL-002

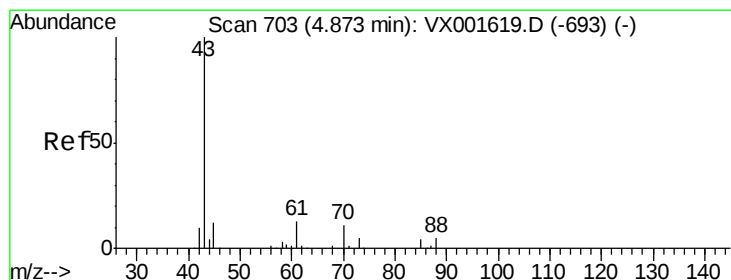
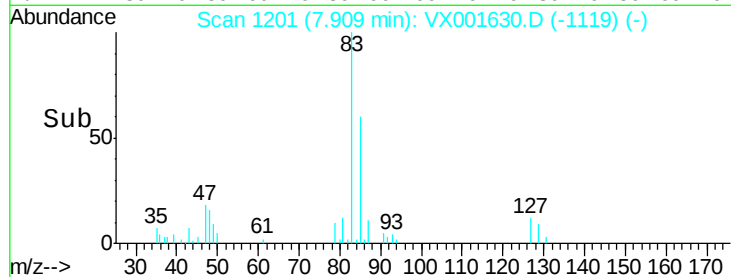
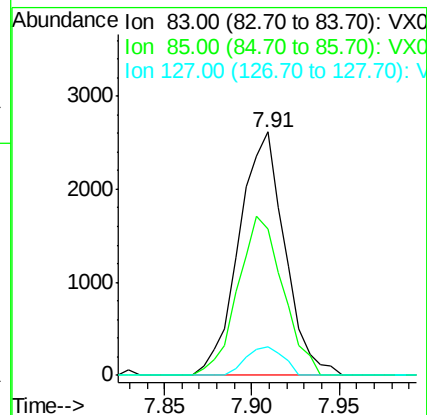
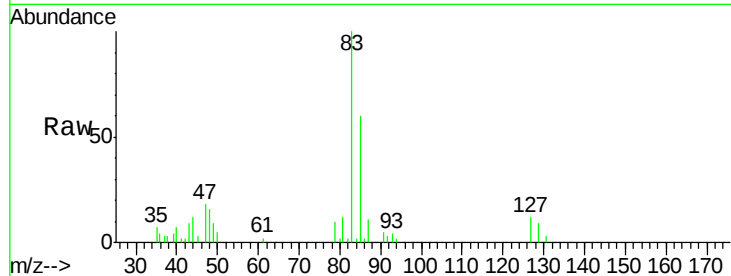
Tot Ion: 83 Resp: 4782

Ion Ratio Lower Upper

83 100

85 60.1 51.3 76.9

127 11.7 7.5 11.3#



#43

Ethyl Acetate

Concen: 0.42 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.00 min

Lab File: VX001630.D

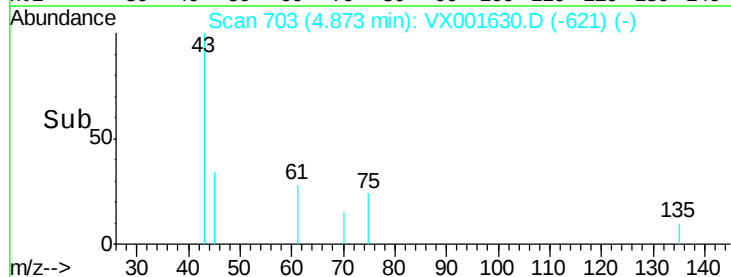
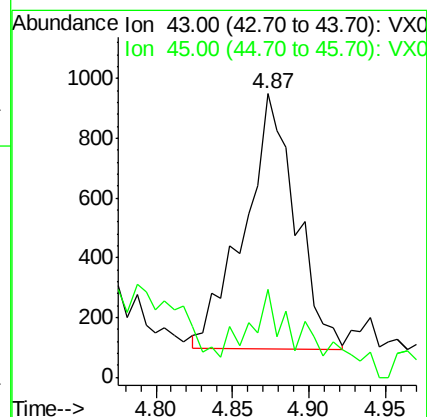
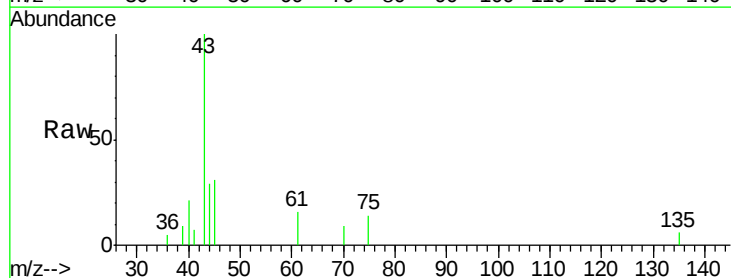
Acq: 11 May 2018 04:48

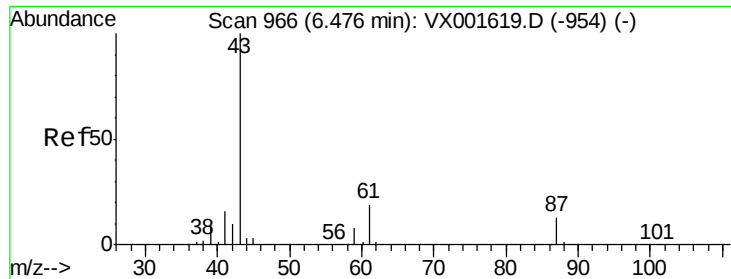
Tgt Ion: 43 Resp: 1999

Ion Ratio Lower Upper

43 100

45 16.0 12.7 19.1



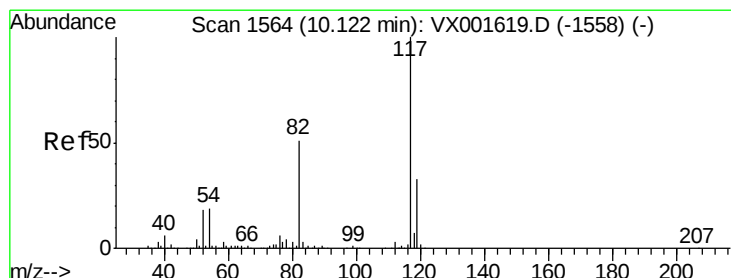
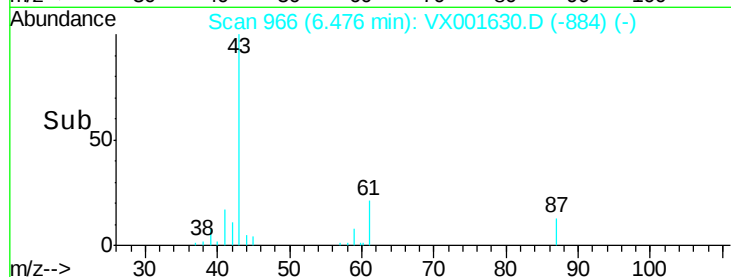
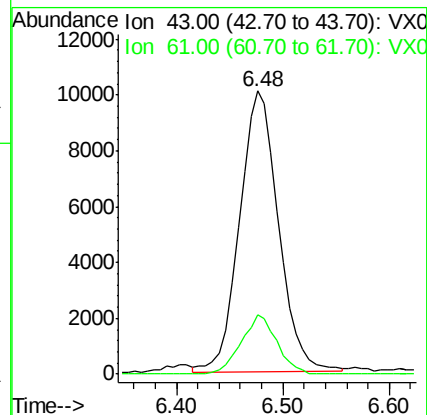
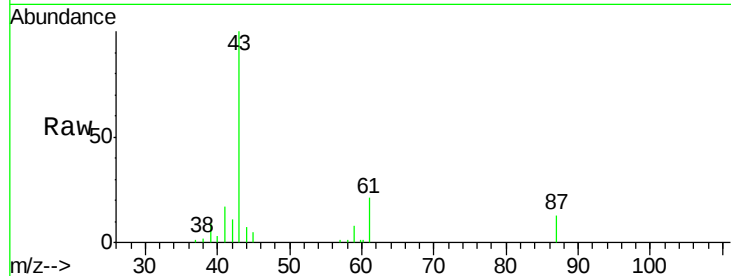


#44

Isopropyl Acetate
 Concen: 3.56 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001630.D
 Acq: 11 May 2018 04:48

Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTFALL-002

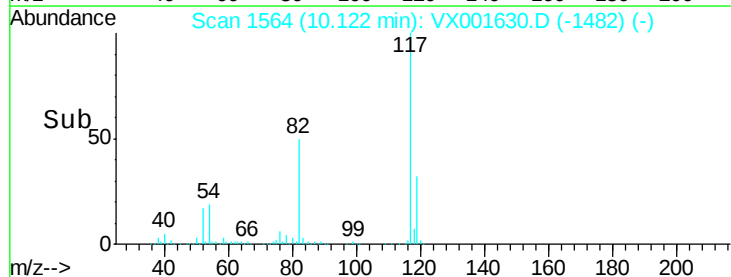
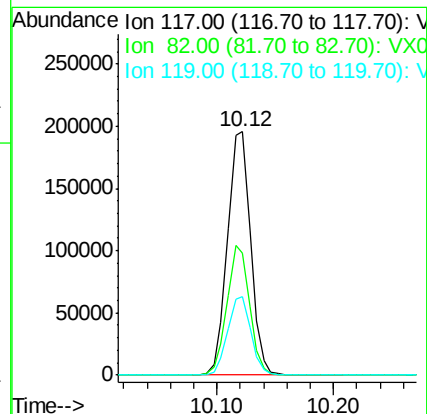
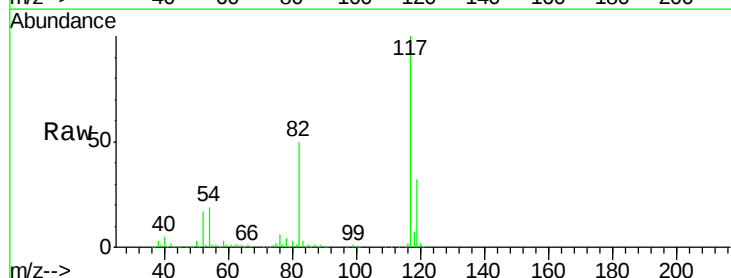
Tot Ion: 43 Resp: 25771
 Ion Ratio Lower Upper
 43 100
 61 19.4 15.1 22.7

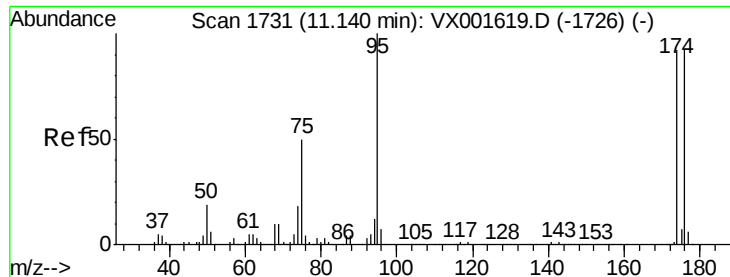


#57

Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX001630.D
 Acq: 11 May 2018 04:48

Tgt Ion: 117 Resp: 269558
 Ion Ratio Lower Upper
 117 100
 82 51.8 42.2 63.2
 119 32.2 26.3 39.5

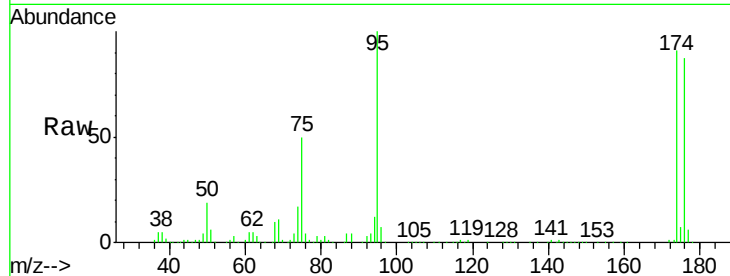




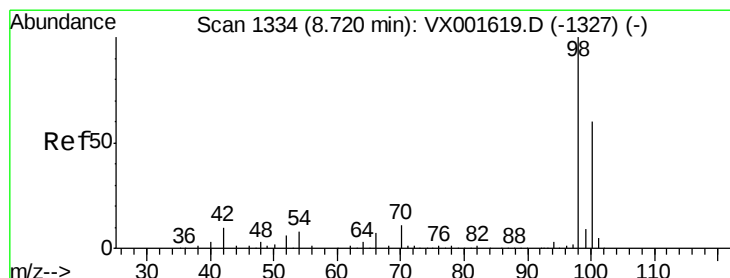
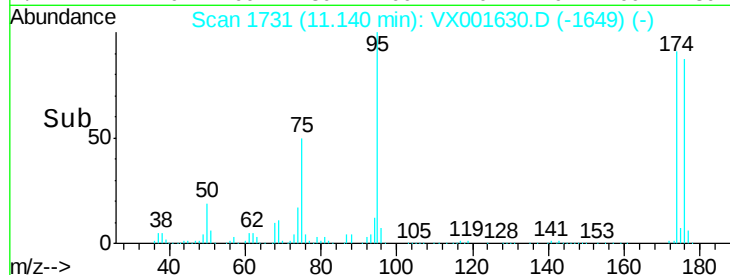
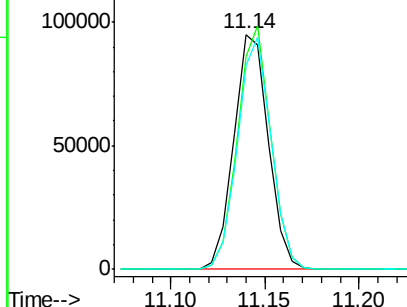
#60
4-Bromofluorobenzene
Concen: 28.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tot Ion: 95 Resp: 121004
Ion Ratio Lower Upper
95 100
174 99.7 80.2 120.2
176 95.7 79.2 118.8

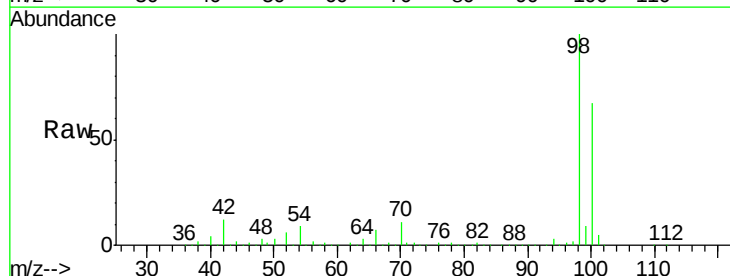


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

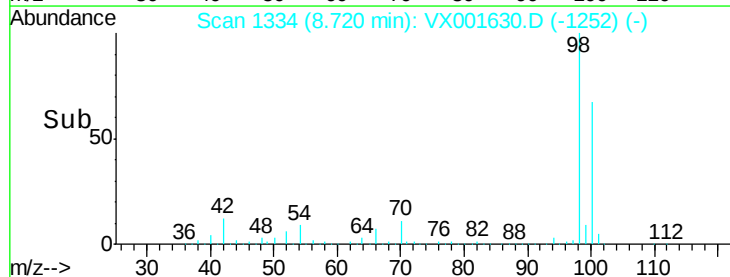
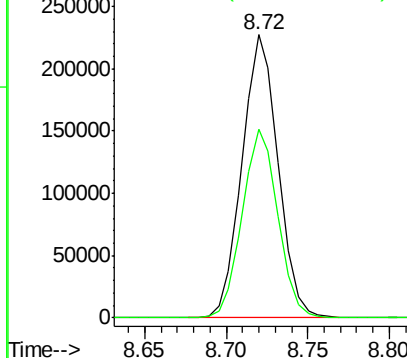


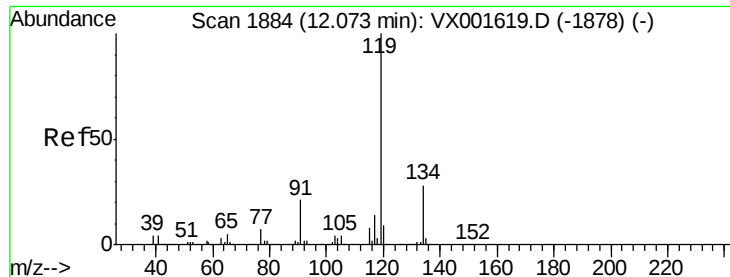
#63
Toluene-d8
Concen: 29.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 98 Resp: 349539
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

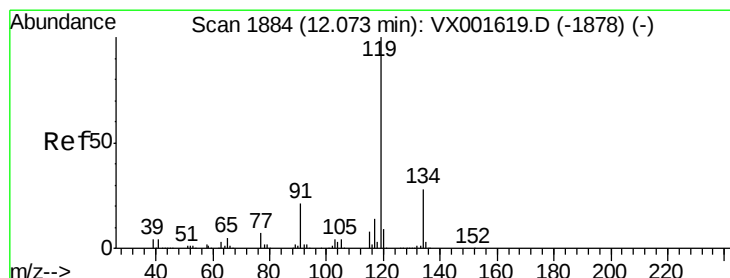
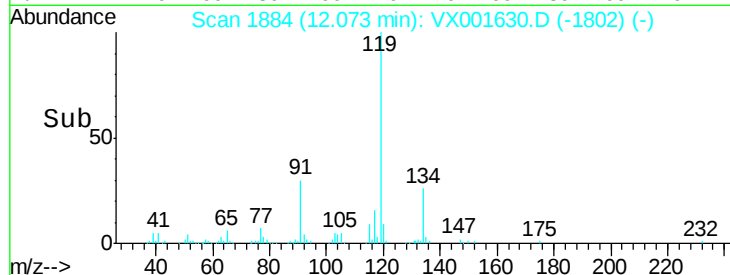
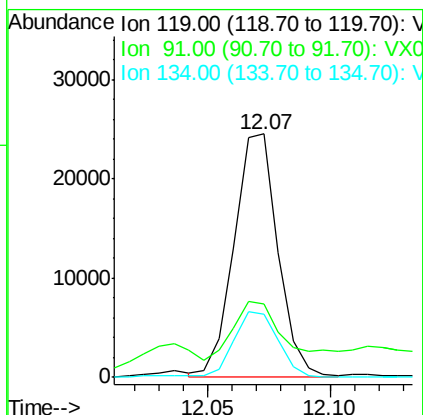
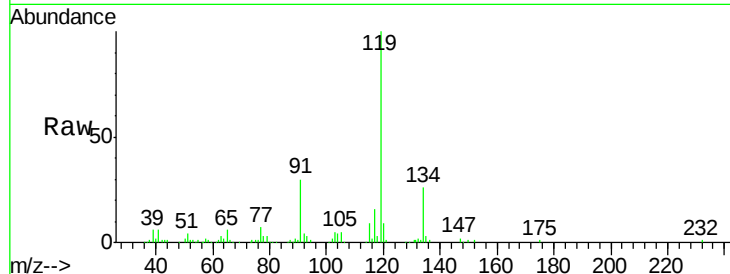




#79
tert-butylbenzene
Concen: 2.49 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tot Ion:119 Resp: 30416
Ion Ratio Lower Upper
119 100
91 32.7 0.0 44.0
134 27.4 0.0 53.8



#82
p-Isopropyltoluene
Concen: 2.49 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion:119 Resp: 30416
Ion Ratio Lower Upper
119 100
134 27.4 0.0 53.8
91 32.7 0.0 44.0

