

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009657.D
 Acq On : 17 May 2019 12:32
 Operator : JC/SP
 Sample : K2829-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: May 18 05:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	24947	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.86	114	146850	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	122665	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.07	65	66536	32.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.17%	
60) 4-Bromofluorobenzene		11.14	95	58252	27.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.17%	
63) Toluene-d8		8.71	98	176282	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%	

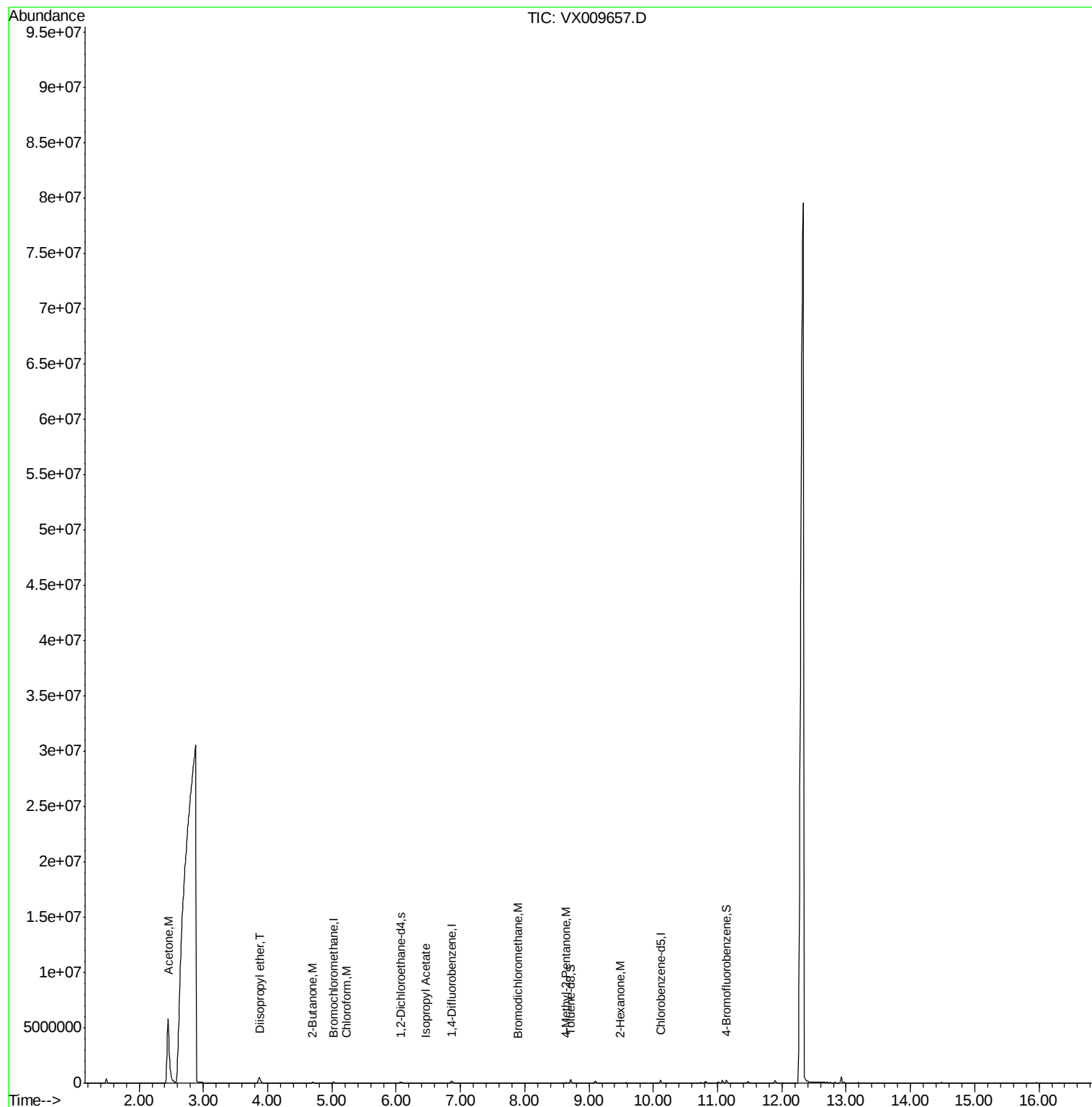
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	2.45	58	2875302	8978.498	ug/l	93
20) Diisopropyl ether	3.87	45	580681	90.013	ug/l #	80
25) Chloroform	5.23	83	32897	11.547	ug/l	99
30) 2-Butanone	4.70	43	109582	64.937	ug/l	99
41) Bromodichloromethane	7.90	83	4341	1.979	ug/l #	96
44) Isopropyl Acetate	6.46	43	51821	10.490	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	37677	12.492	ug/l #	88
59) 2-Hexanone	9.49	43	13077	5.528	ug/l #	97

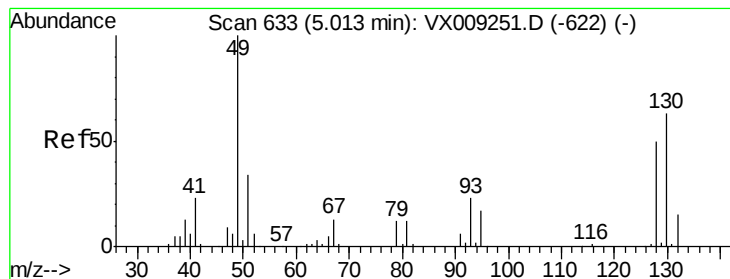
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 05:20:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009657.D

Acq: 17 May 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

EFF-WASTE-WATER

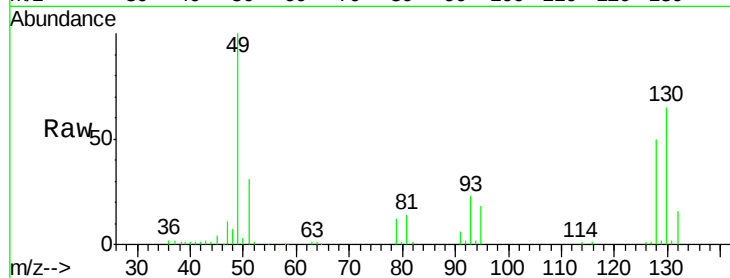
Tot Ion:128 Resp: 24947

Ion Ratio Lower Upper

128 100

49 203.6 0.0 515.0

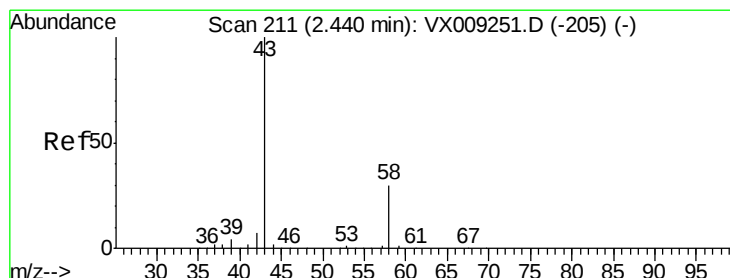
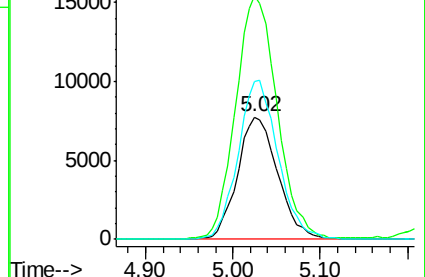
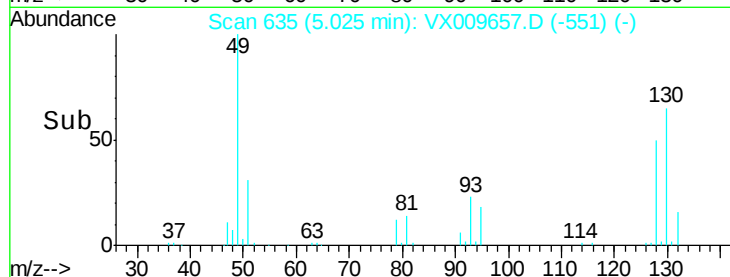
130 127.9 0.0 323.3



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: 8978.498 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009657.D

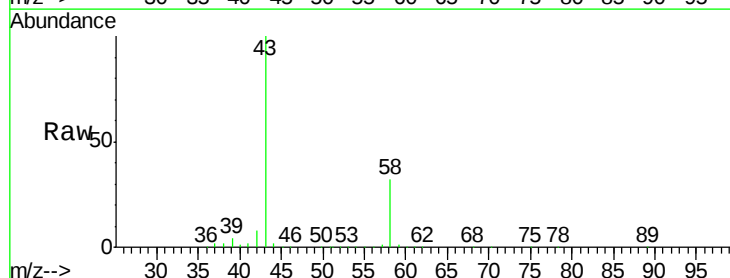
Acq: 17 May 2019 12:32

Tgt Ion: 58 Resp: 2875302

Ion Ratio Lower Upper

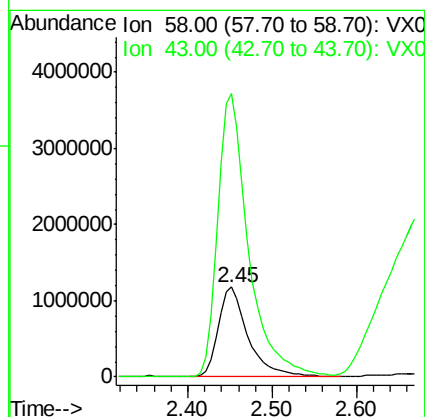
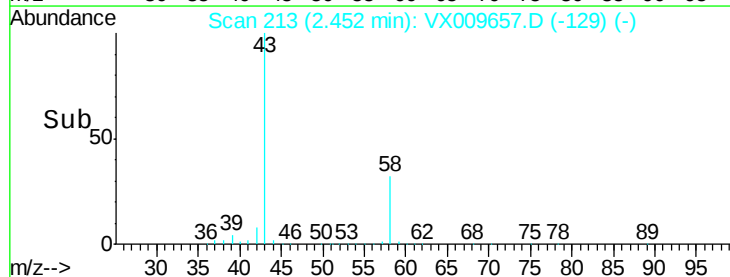
58 100

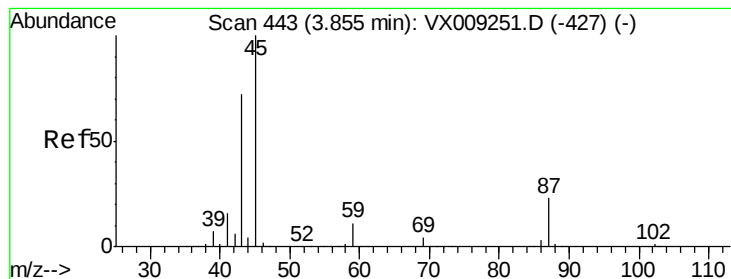
43 315.4 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#20

Diisopropyl ether

Concen: 90.013 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.02 min

Lab File: VX009657.D

Acq: 17 May 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

EFF-WASTE-WATER

Tot Ion: 45 Resp: 580681

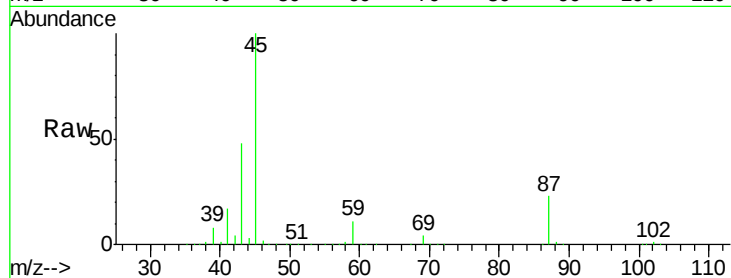
Ion Ratio Lower Upper

45 100

43 48.2 57.7 86.5#

87 22.9 18.5 27.7

59 11.2 8.8 13.2

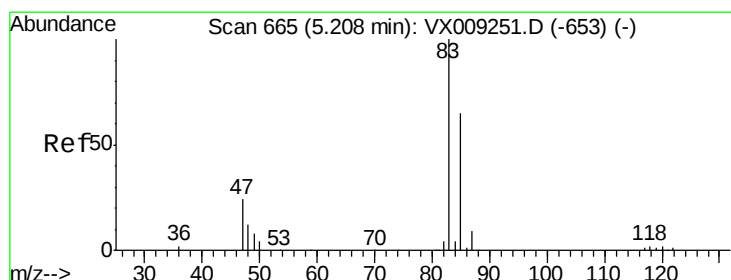
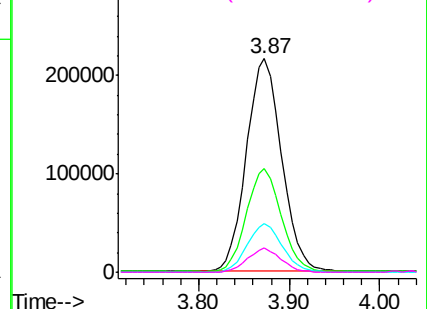
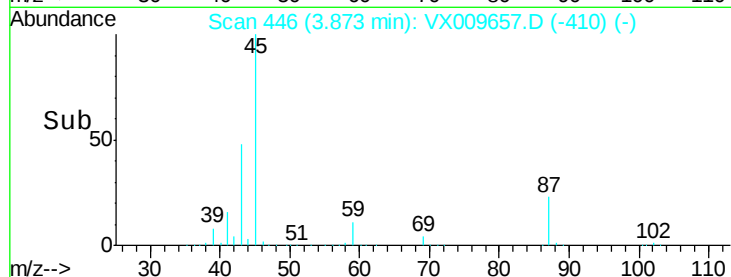


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

Chloroform

Concen: 11.547 ug/l

RT: 5.23 min Scan# 668

Delta R.T. 0.02 min

Lab File: VX009657.D

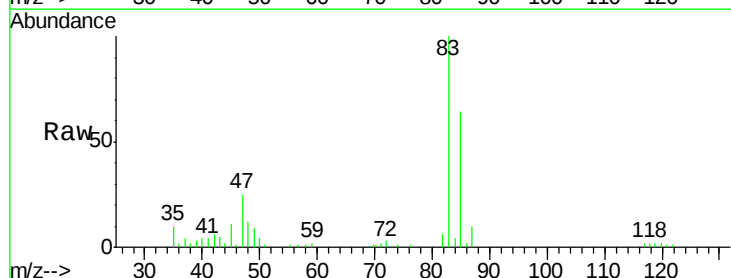
Acq: 17 May 2019 12:32

Tgt Ion: 83 Resp: 32897

Ion Ratio Lower Upper

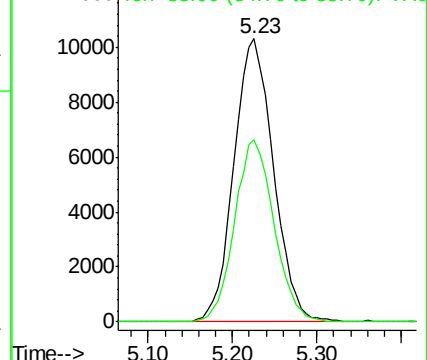
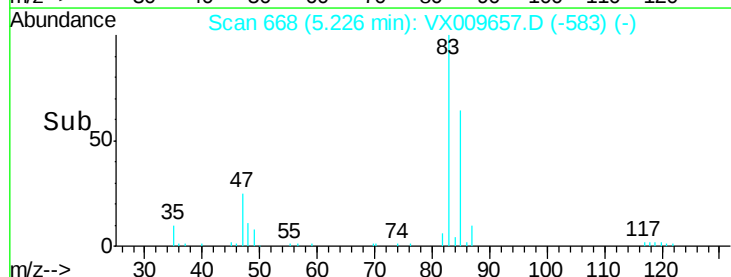
83 100

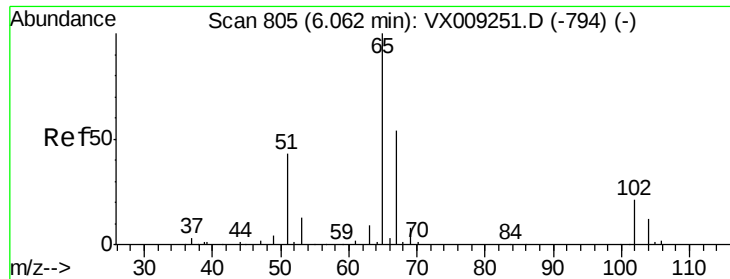
85 64.4 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 32.151 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009657.D

Acq: 17 May 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

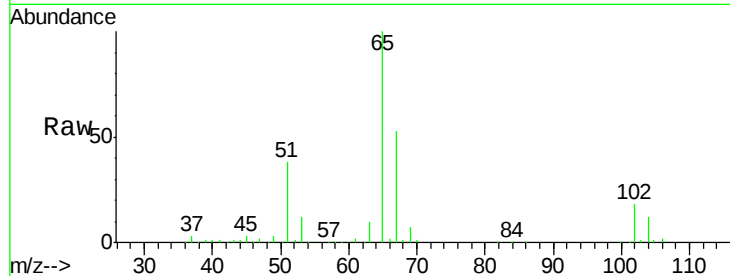
EFF-WASTE-WATER

Tot Ion: 65 Resp: 66536

Ion Ratio Lower Upper

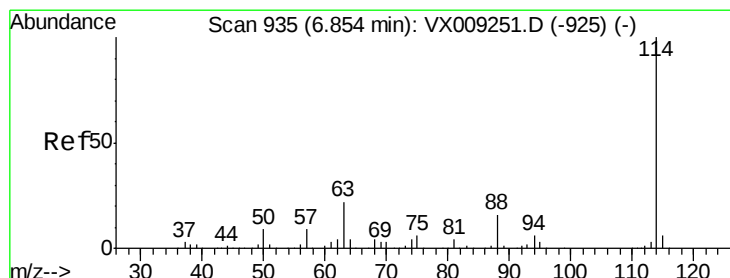
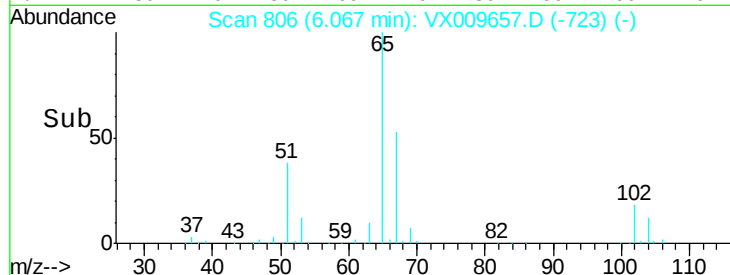
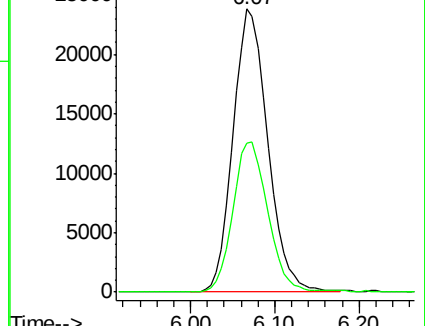
65 100

67 52.9 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009657.D

Acq: 17 May 2019 12:32

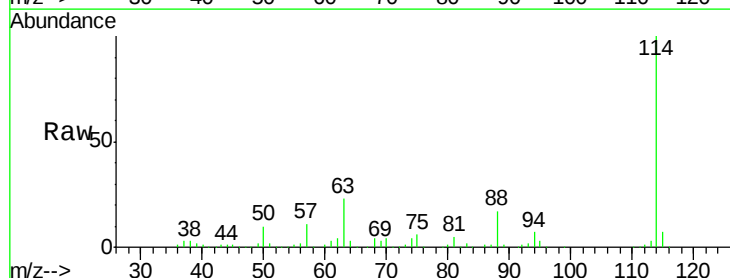
Tgt Ion: 114 Resp: 146850

Ion Ratio Lower Upper

114 100

63 23.3 18.0 27.0

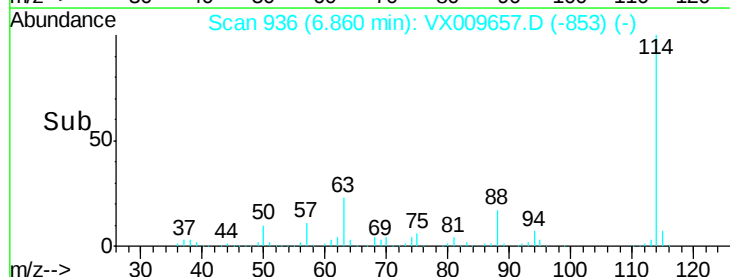
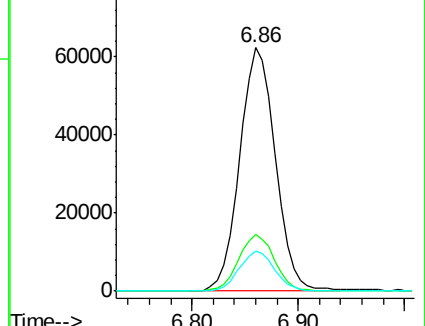
88 16.3 13.4 20.0

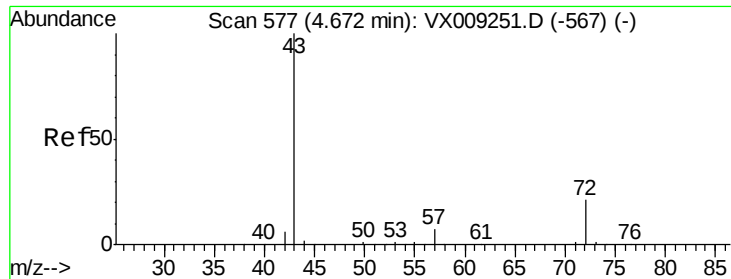


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

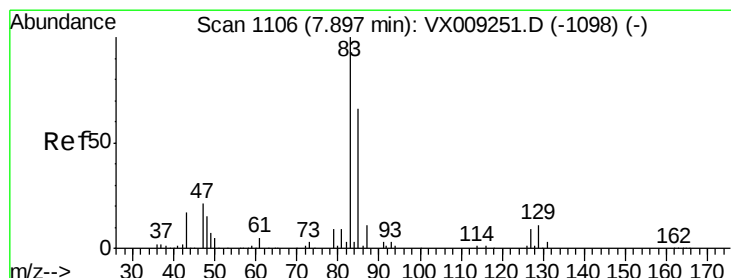
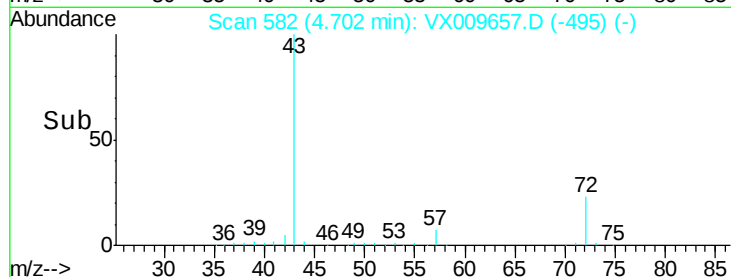
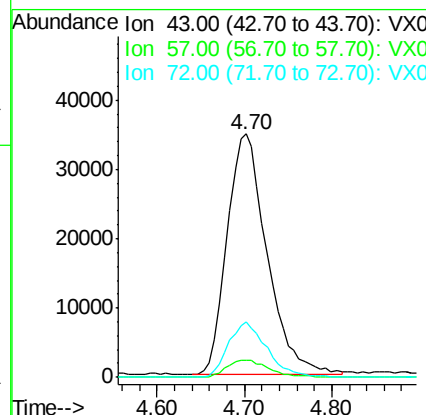
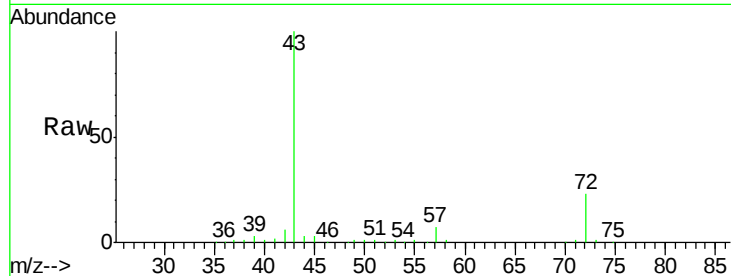




#30
2-Butanone
Concen: 64.937 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.03 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

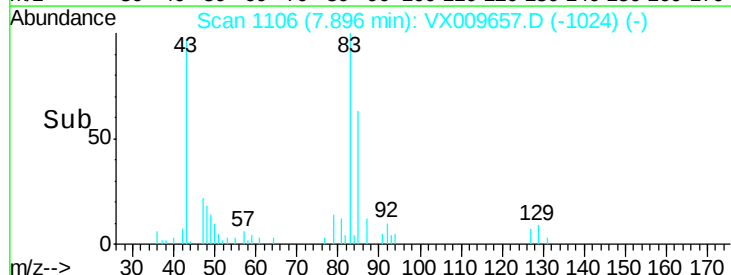
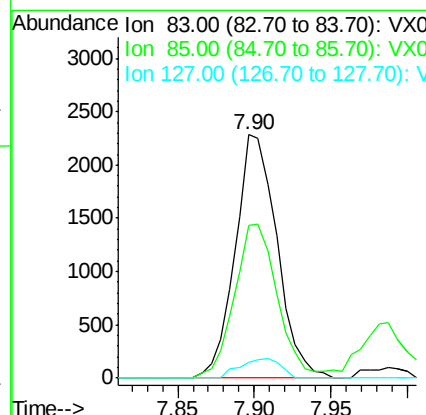
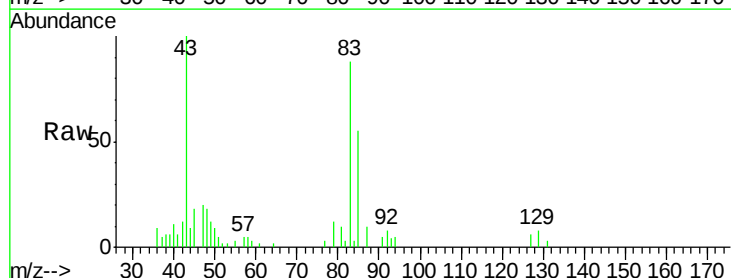
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

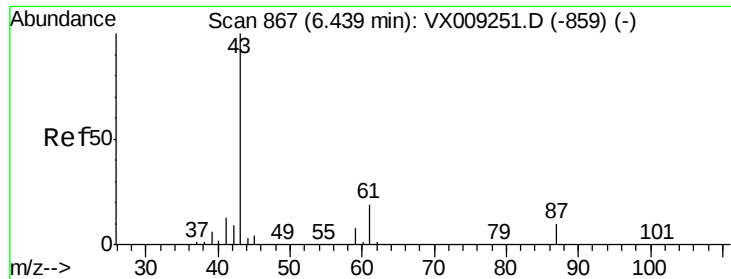
Tot Ion: 43 Resp: 109582
Ion Ratio Lower Upper
43 100
57 7.6 6.0 9.0
72 22.4 18.2 27.4



#41
Bromodichloromethane
Concen: 1.979 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 83 Resp: 4341
Ion Ratio Lower Upper
83 100
85 62.9 52.6 79.0
127 6.6 6.9 10.3#



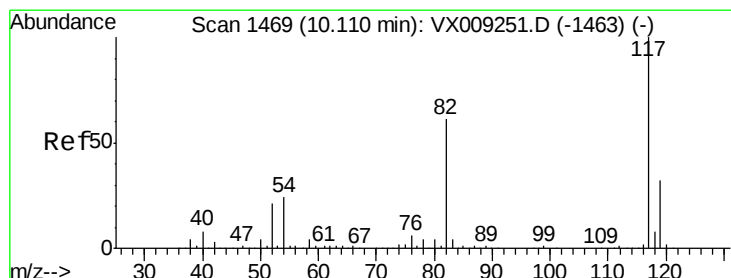
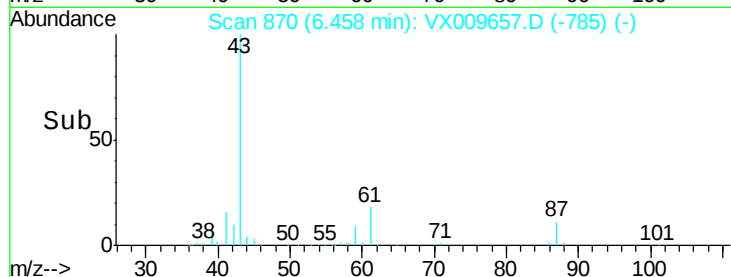
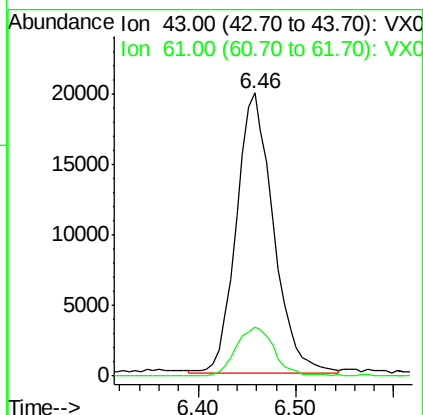
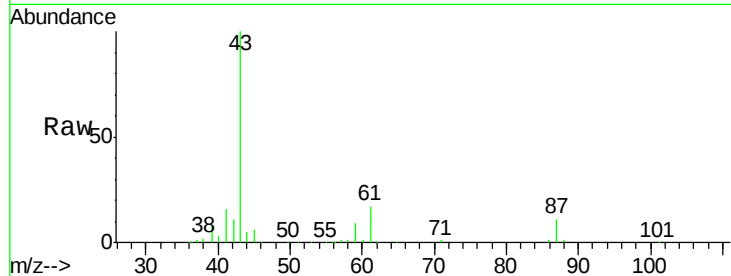


#44

Isopropyl Acetate
 Concen: 10.490 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.02 min
 Lab File: VX009657.D
 Acq: 17 May 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WASTE-WATER

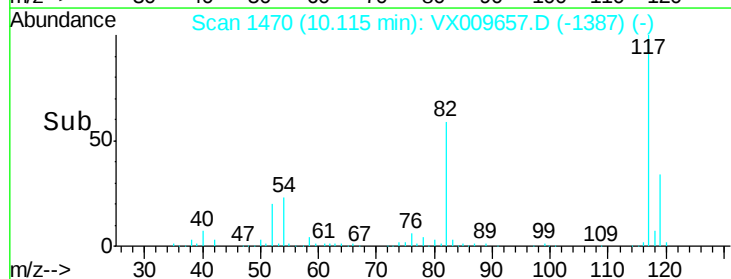
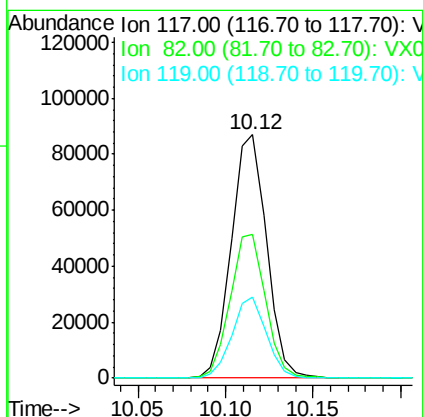
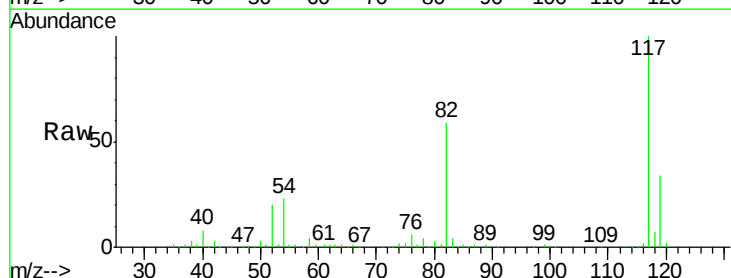
Tot Ion: 43 Resp: 51821
 Ion Ratio Lower Upper
 43 100
 61 18.2 15.4 23.2

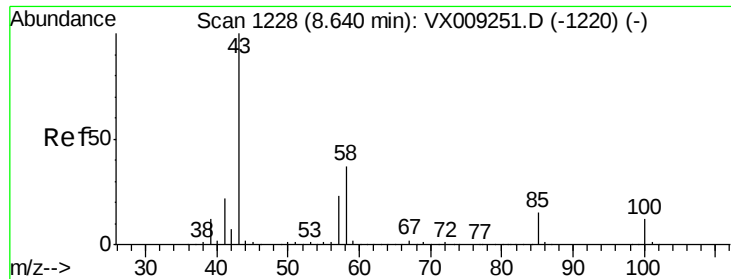


#57

Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VX009657.D
 Acq: 17 May 2019 12:32

Tgt Ion: 117 Resp: 122665
 Ion Ratio Lower Upper
 117 100
 82 59.1 47.8 71.8
 119 32.4 25.6 38.4

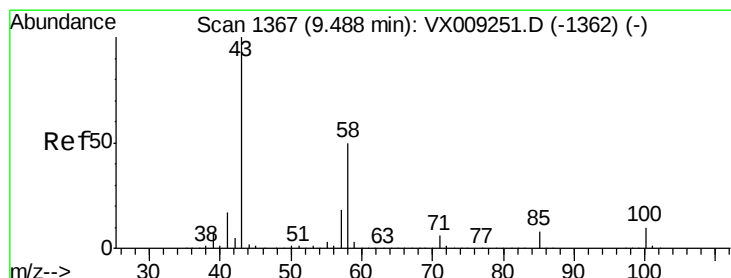
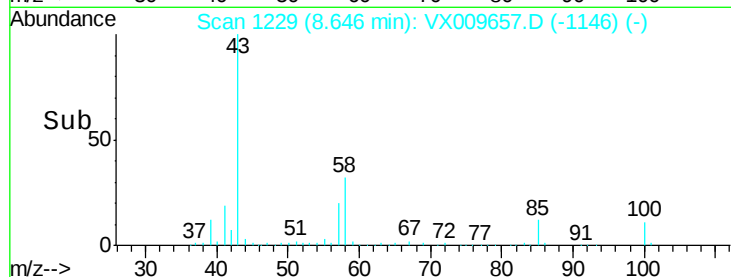
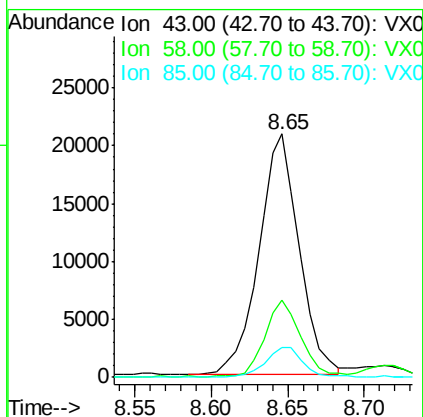
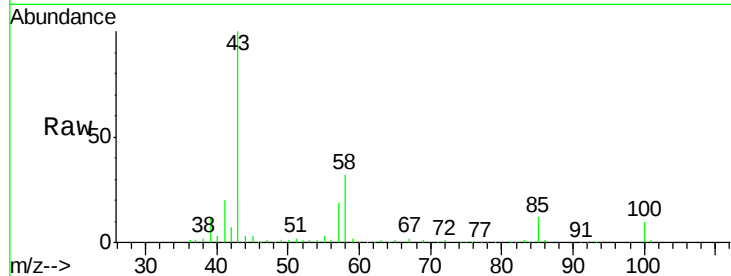




#58
4-Methyl-2-Pentanone
Concen: 12.492 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

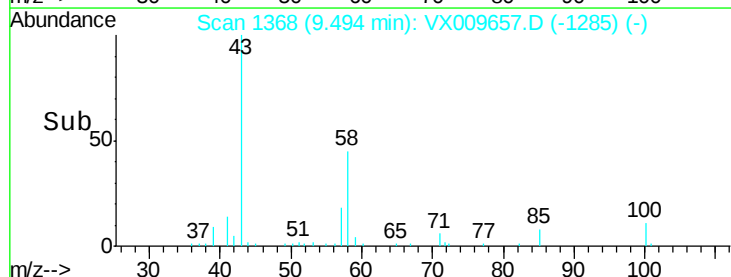
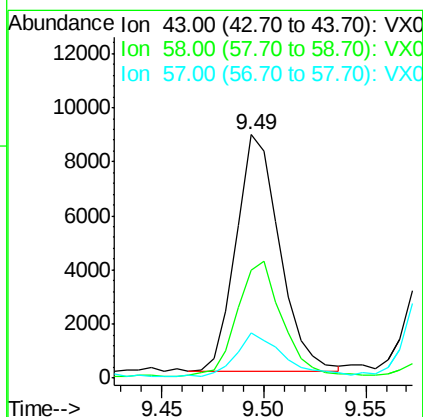
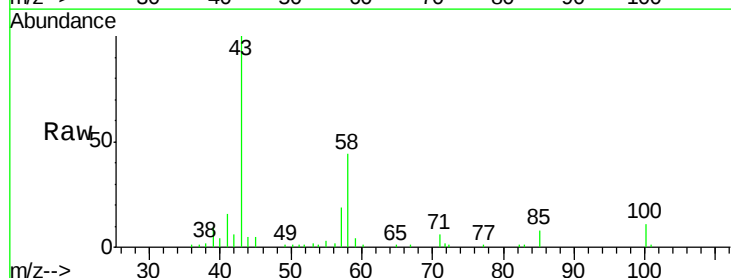
Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

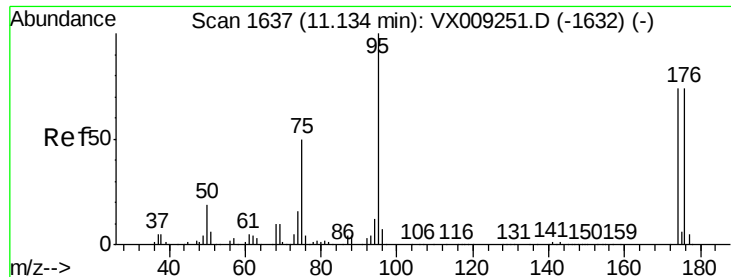
Tot Ion: 43 Resp: 37677
Ion Ratio Lower Upper
43 100
58 28.8 29.4 44.0#
85 11.6 11.8 17.8#



#59
2-Hexanone
Concen: 5.528 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 43 Resp: 13077
Ion Ratio Lower Upper
43 100
58 50.2 40.8 61.2
57 21.5 14.1 21.1#

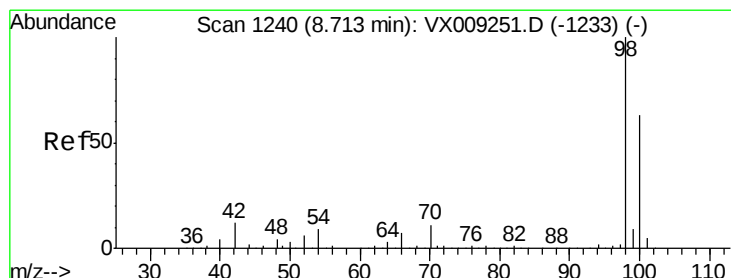
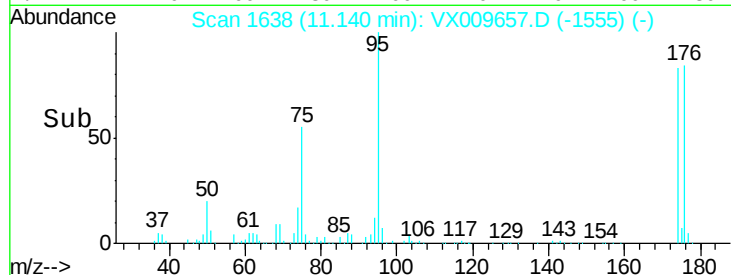
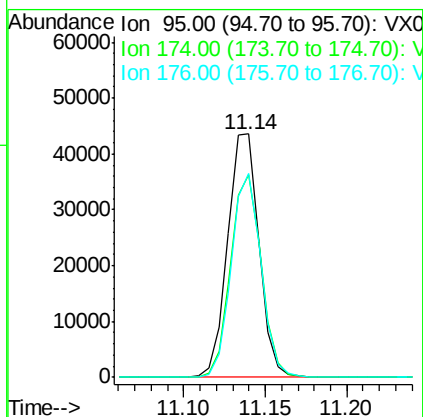
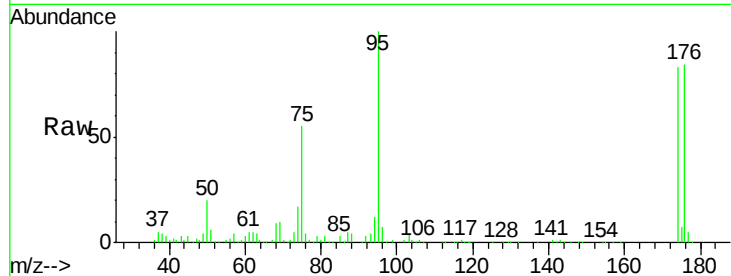




#60
4-Bromofluorobenzene
Concen: 27.947 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tot Ion: 95 Resp: 58252
Ion Ratio Lower Upper
95 100
174 80.8 63.6 95.4
176 79.2 62.4 93.6



#63
Toluene-d8
Concen: 30.312 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 98 Resp: 176282
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

