

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009658.D
 Acq On : 17 May 2019 12:56
 Operator : JC/SP
 Sample : K2861-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-001-IDW/GW-20190514

Quant Time: May 18 03:55:34 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	28727	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	167918	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	147454	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74629	31.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.40%
60) 4-Bromofluorobenzene	11.13	95	69248	27.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.13%
63) Toluene-d8	8.71	98	209447	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

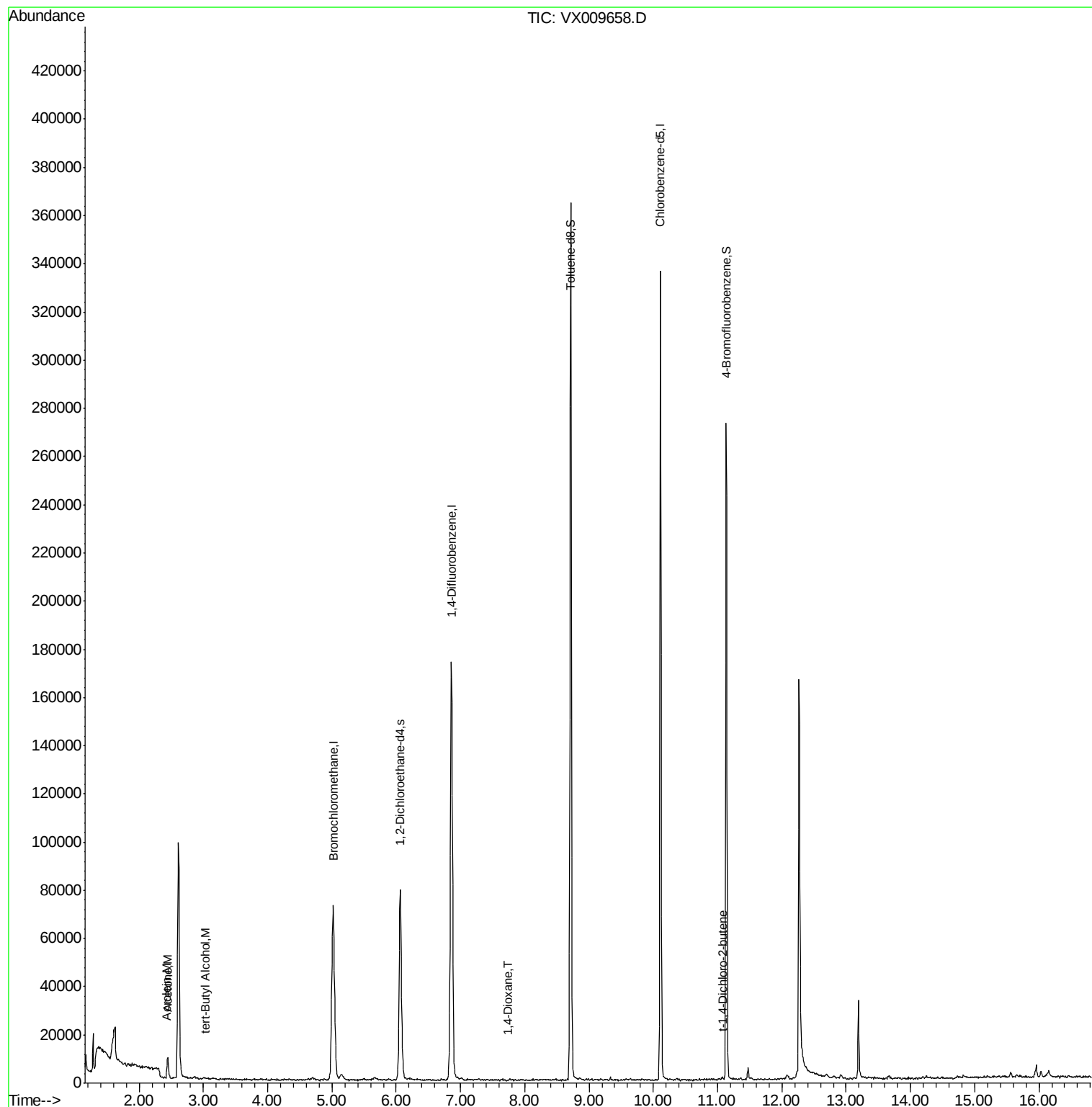
					Ovalue
13) Acrolein	2.43	56	100	0.246 ug/l	95
15) Acetone	2.45	58	3166	8.585 ug/l	95
23) tert-Butyl Alcohol	3.03	59	137	0.252 ug/l #	69
45) 1,4-Dioxane	7.74	88	27	0.487 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.07	75	448	0.415 ug/l #	27

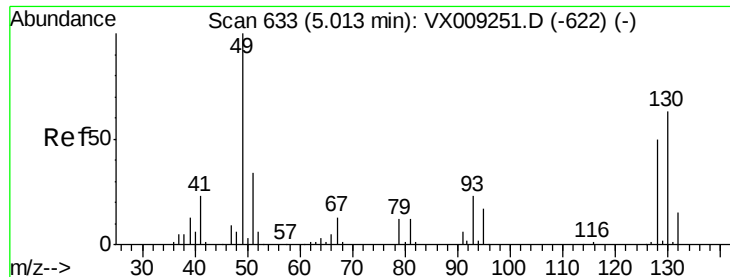
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 634

Delta R.T. 0.01 min

Lab File: VX009658.D

Acq: 17 May 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

TT-001-IDW/GW-20190514

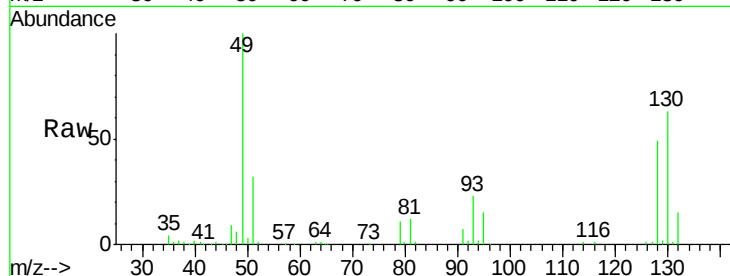
Tot Ion:128 Resp: 28727

Ion Ratio Lower Upper

128 100

49 206.1 0.0 515.0

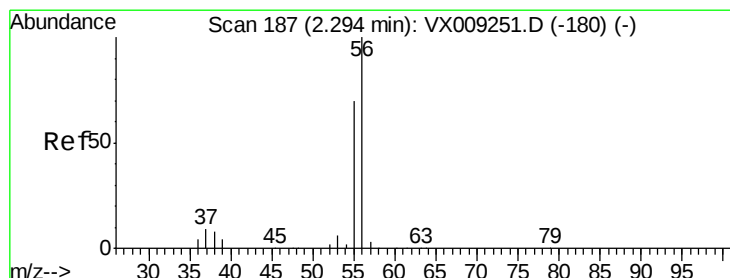
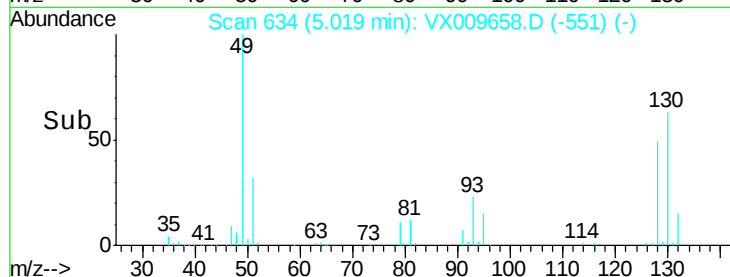
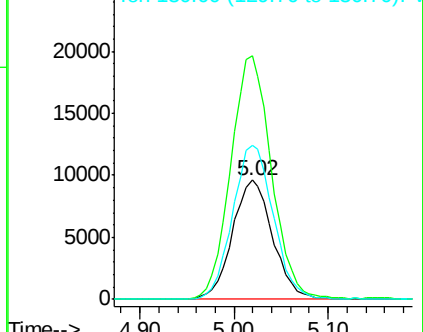
130 130.5 0.0 323.3



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



#13

Acrolein

Concen: 0.246 ug/l

RT: 2.43 min Scan# 209

Delta R.T. 0.13 min

Lab File: VX009658.D

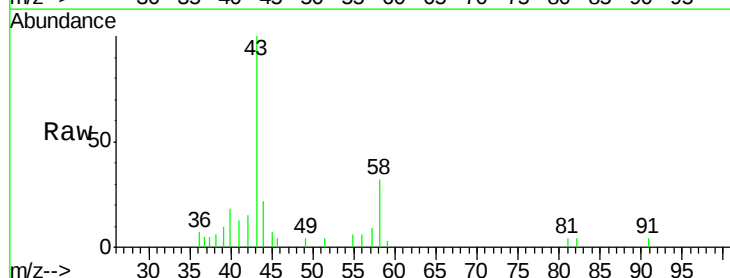
Acq: 17 May 2019 12:56

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

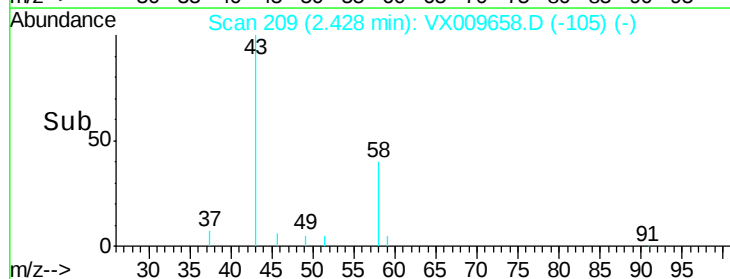
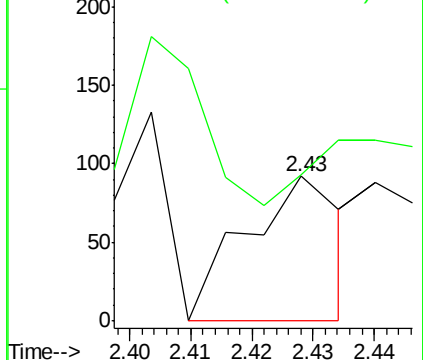
56 100

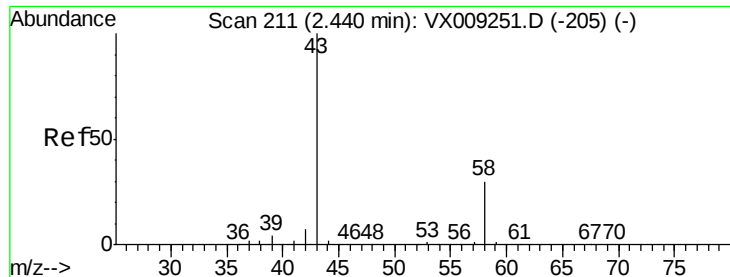
55 67.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 8.585 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009658.D

Acq: 17 May 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

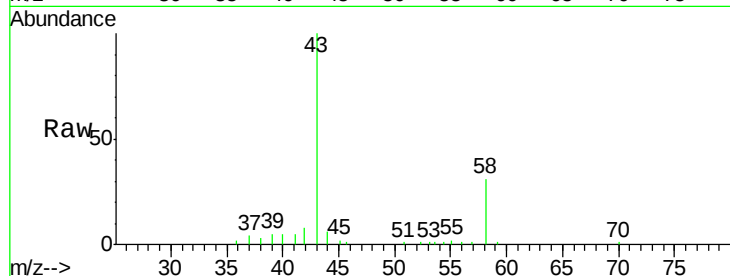
TT-001-IDW/GW-20190514

Tot Ion: 58 Resp: 3166

Ion Ratio Lower Upper

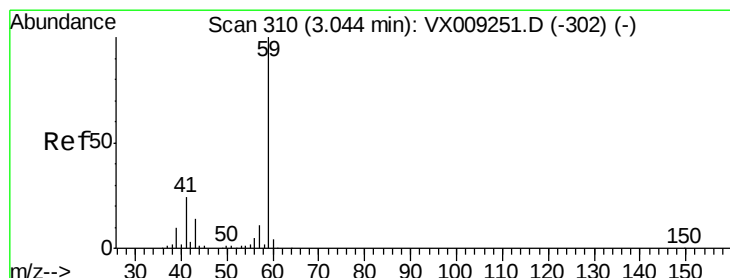
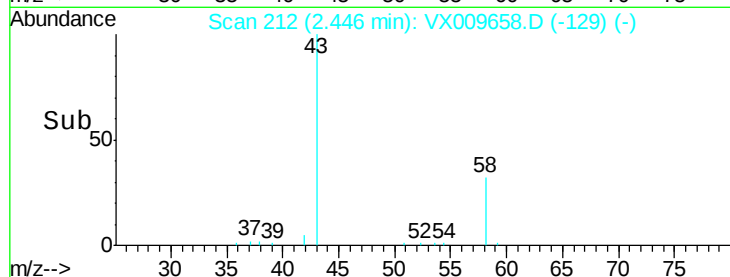
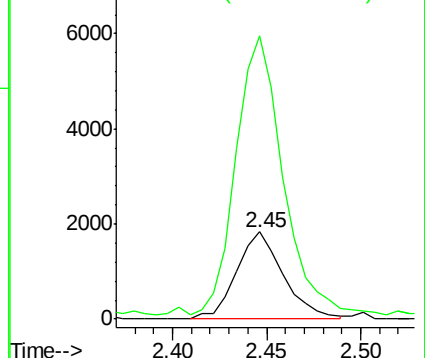
58 100

43 319.4 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#23

tert-Butyl Alcohol

Concen: 0.252 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX009658.D

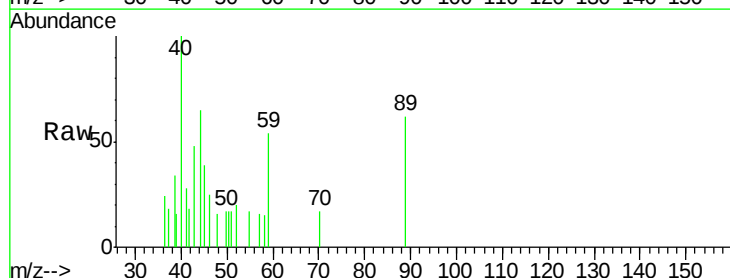
Acq: 17 May 2019 12:56

Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

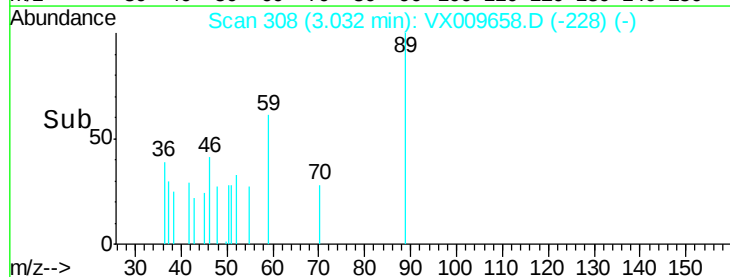
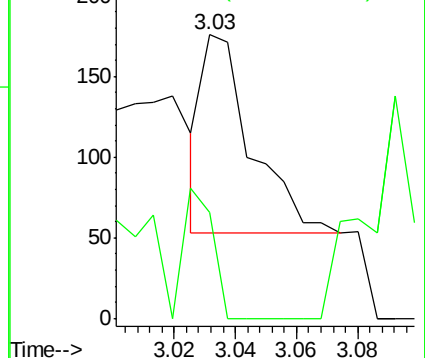
59 100

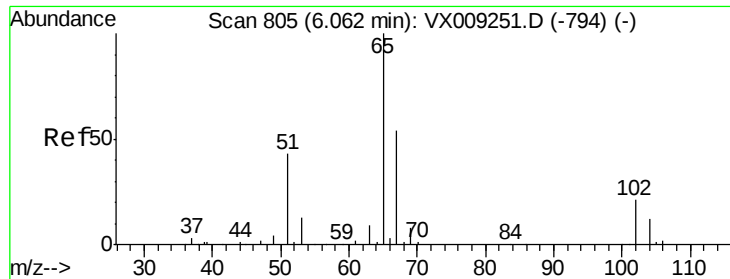
52 39.4 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 31.317 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009658.D

Acq: 17 May 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

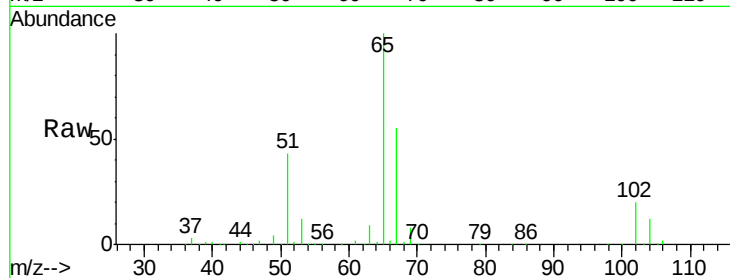
TT-001-IDW/GW-20190514

Tot Ion: 65 Resp: 74629

Ion Ratio Lower Upper

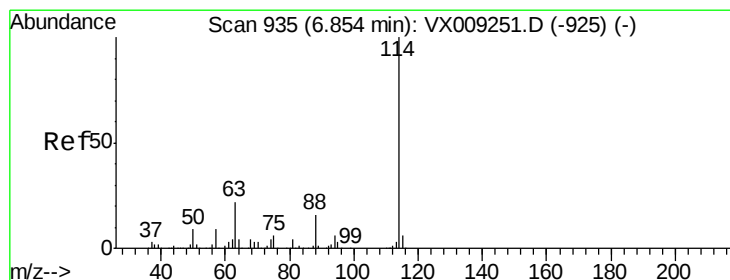
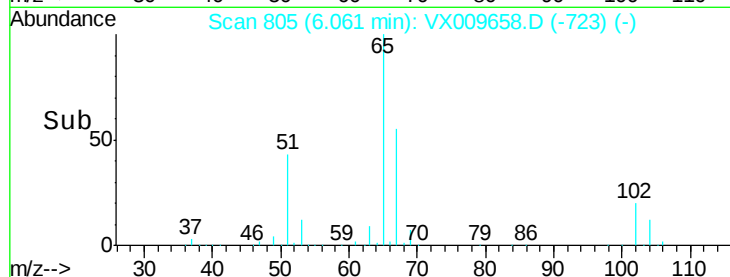
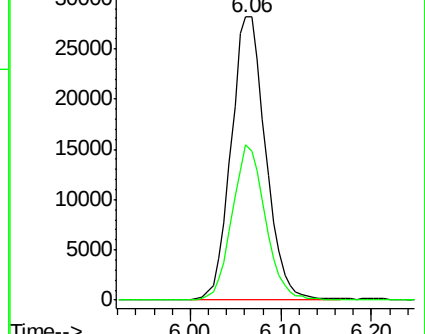
65 100

67 52.4 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: VX009658.D

Acq: 17 May 2019 12:56

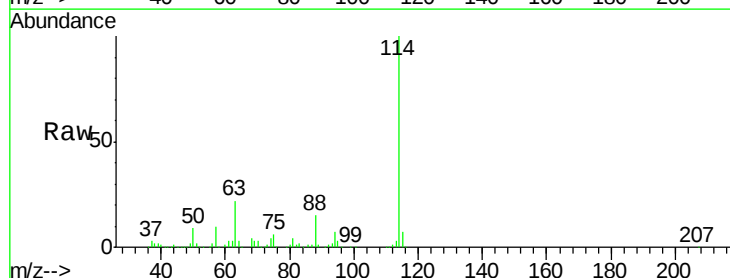
Tgt Ion: 114 Resp: 167918

Ion Ratio Lower Upper

114 100

63 23.1 18.0 27.0

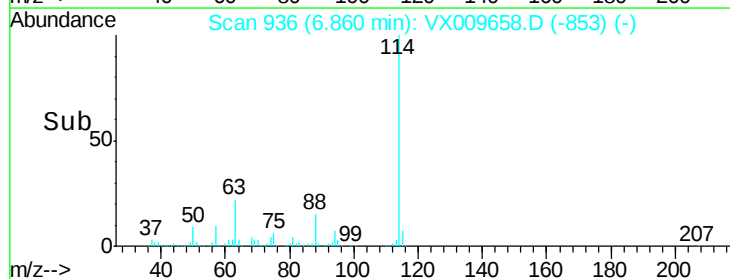
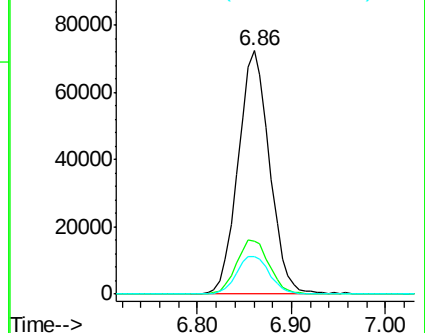
88 16.2 13.4 20.0

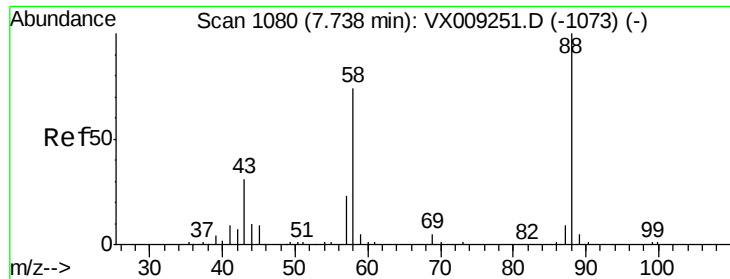


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

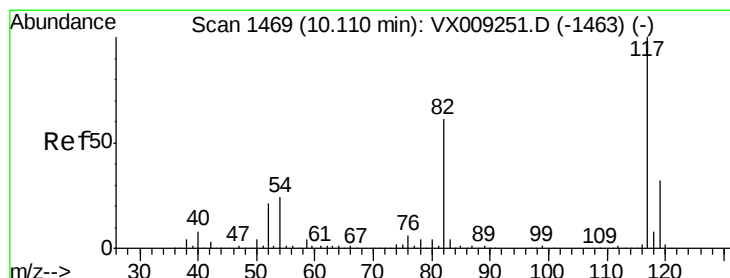
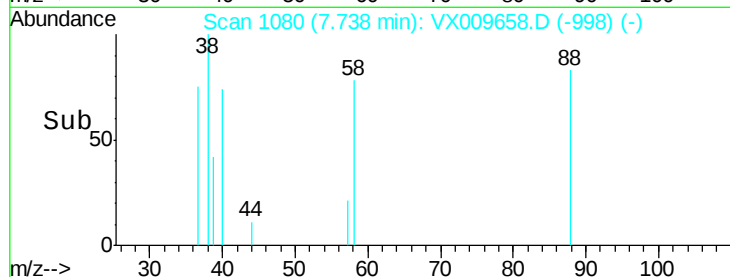
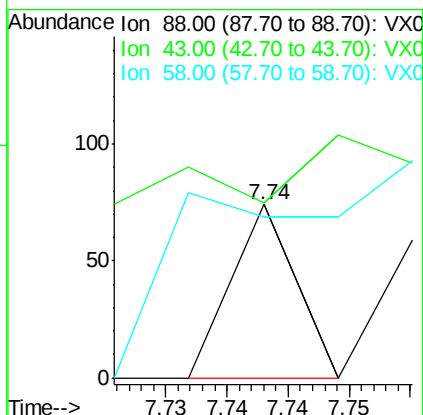
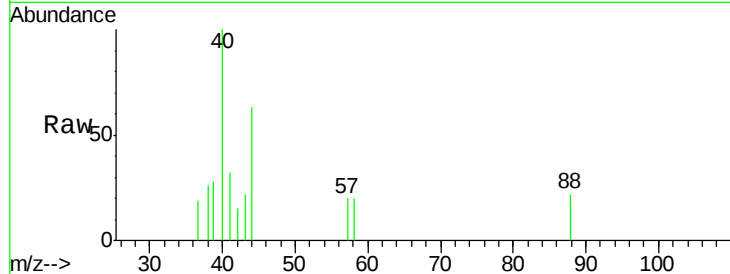




#45
 1,4-Dioxane
 Concen: 0.487 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009658.D
 Acq: 17 May 2019 12:56

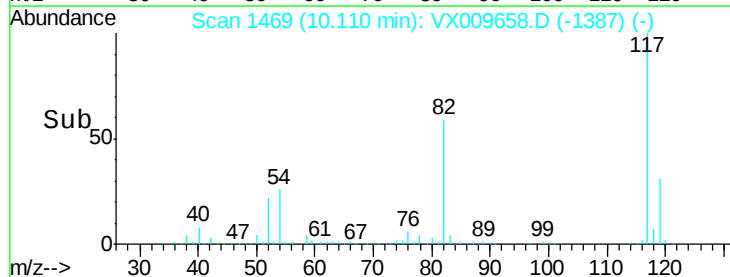
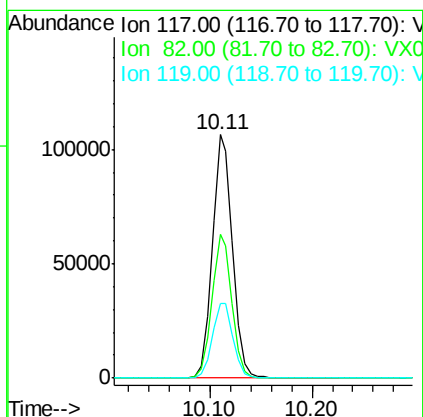
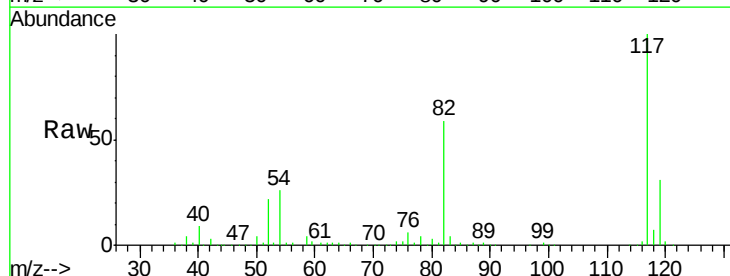
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-001-IDW/GW-20190514

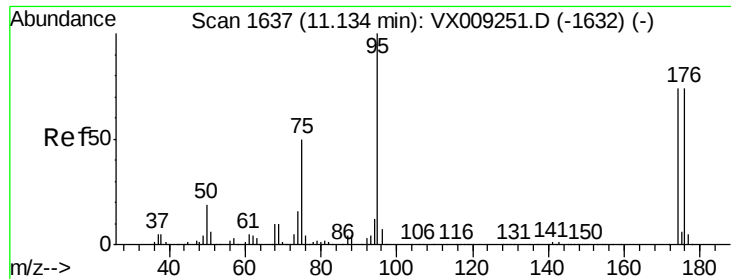
Tot Ion: 88 Resp: 27
 Ion Ratio Lower Upper
 88 100
 43 322.2 28.5 42.7#
 58 200.0 62.5 93.7#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX009658.D
 Acq: 17 May 2019 12:56

Tgt Ion: 117 Resp: 147454
 Ion Ratio Lower Upper
 117 100
 82 58.4 47.8 71.8
 119 31.6 25.6 38.4

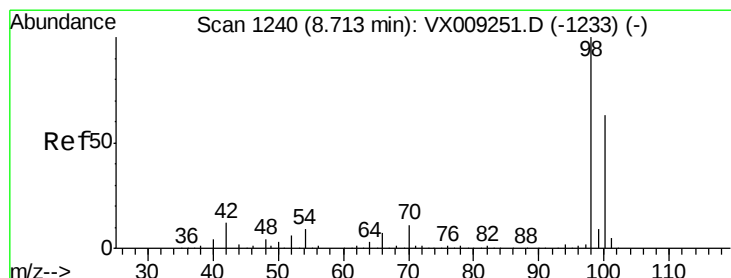
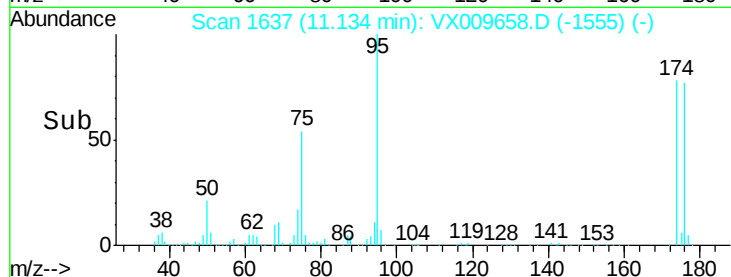
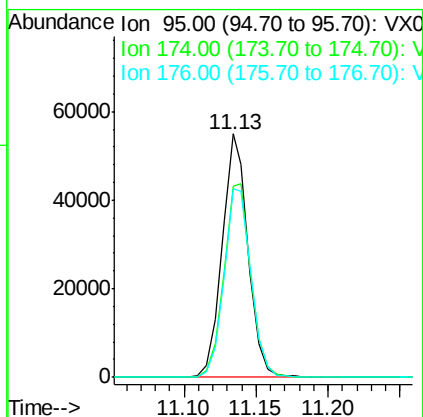
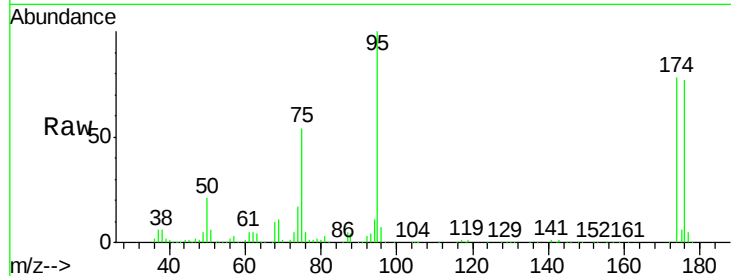




#60
4-Bromofluorobenzene
Concen: 27.637 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009658.D
Acq: 17 May 2019 12:56

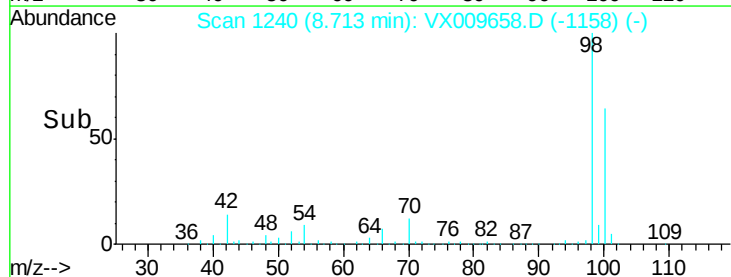
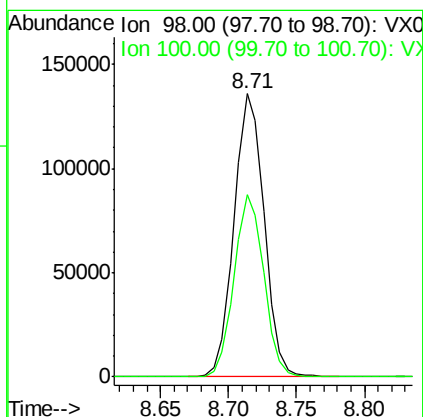
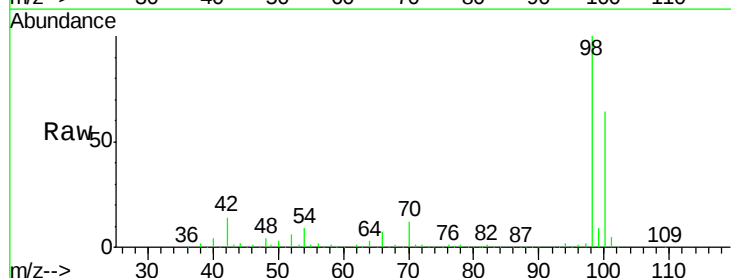
Instrument :
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ClientSampleId :
TT-001-IDW/GW-20190514

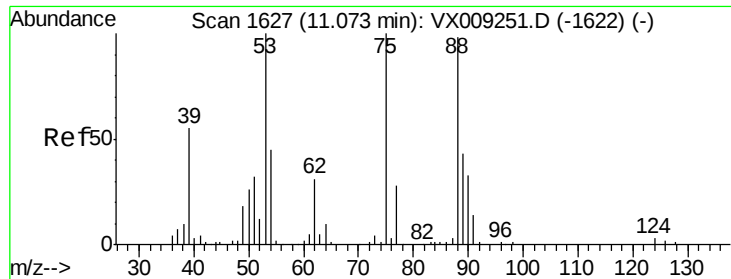
Tot Ion: 95 Resp: 69248
Ion Ratio Lower Upper
95 100
174 83.2 63.6 95.4
176 80.8 62.4 93.6



#63
Toluene-d8
Concen: 29.960 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009658.D
Acq: 17 May 2019 12:56

Tgt Ion: 98 Resp: 209447
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5





#77
t-1,4-Dichloro-2-butene
Concen: 0.415 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009658.D
Acq: 17 May 2019 12:56

Instrument :
MSVOA_X
ClientSampleId :
TT-001-IDW/GW-20190514

Tot Ion: 75 Resp: 448
Ion Ratio Lower Upper
75 100
53 24.8 50.0 149.8#
89 0.0 21.6 65.0#

