

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014078.D
 Acq On : 18 Dec 2019 03:24
 Operator : JC/SP
 Sample : K6353-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-015-IDWGW-20191216

Quant Time: Dec 18 07:23:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	85374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	471439	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	403867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	186208	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.13	95	172283	26.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.07%
63) Toluene-d8	8.71	98	562626	31.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.90%

Target Compounds

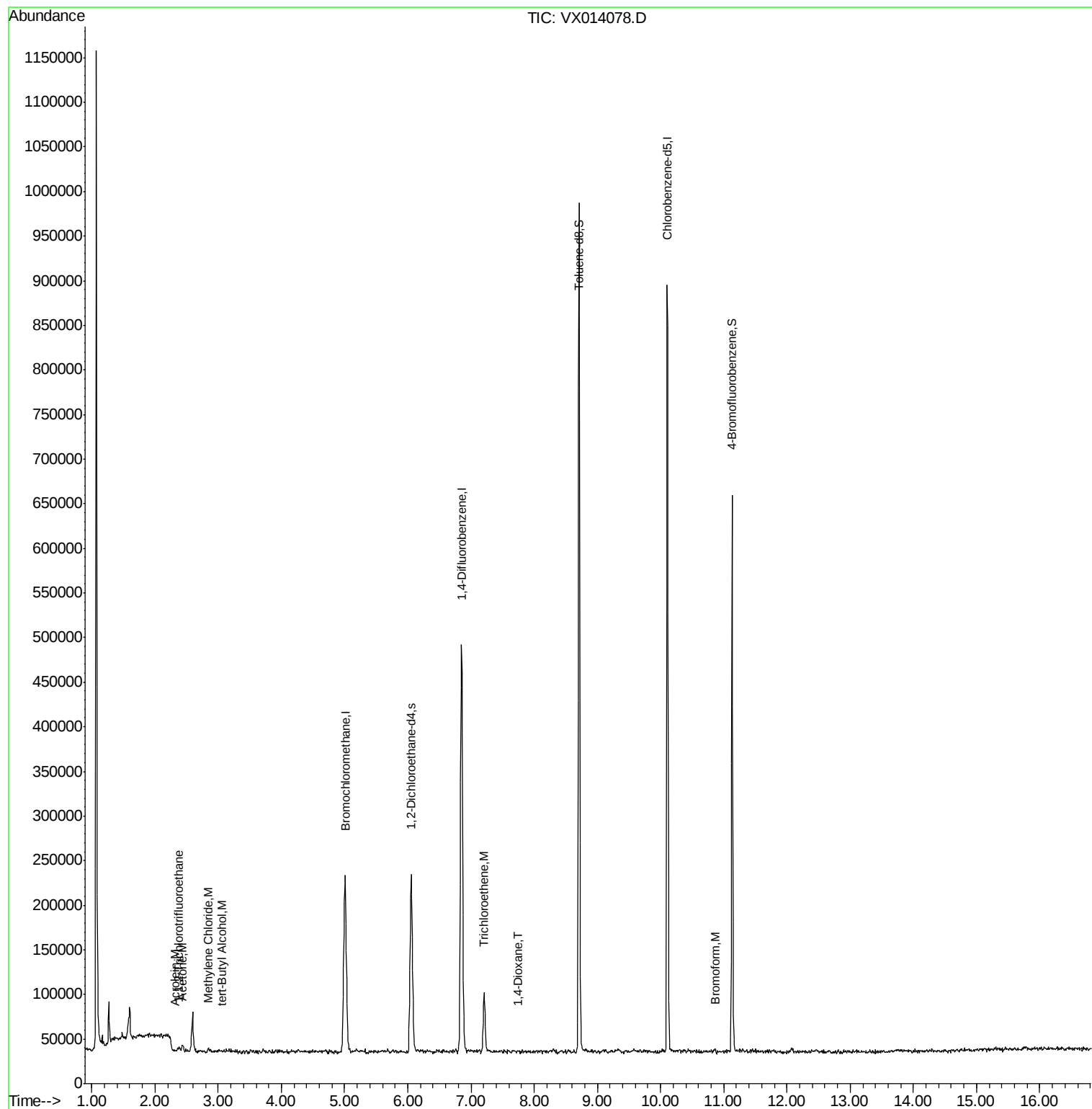
					Ovalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2218	0.480 ug/l	82
13) Acrolein	2.31	56	302	0.336 ug/l	98
15) Acetone	2.43	58	2218	2.610 ug/l	74
18) Methylene Chloride	2.85	84	1791	0.306 ug/l	92
23) tert-Butyl Alcohol	3.06	59	372	0.328 ug/l #	66
37) Trichloroethene	7.21	130	28778	4.981 ug/l	96
45) 1,4-Dioxane	7.73	88	94	0.778 ug/l #	1
56) Bromoform	10.85	173	1162	0.274 ug/l #	57

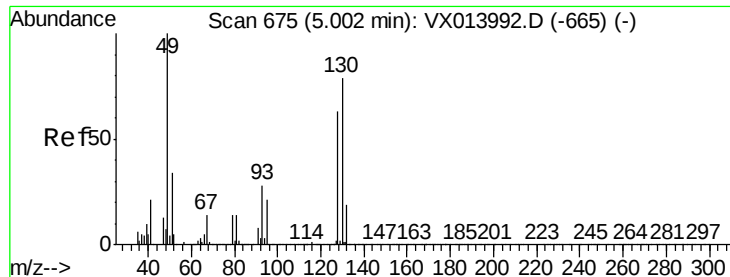
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 18 07:23:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014078.D

Acq: 18 Dec 2019 03:24

Instrument :

MSVOA_X

ClientSampleId :

TT-015-IDW/GW-20191216

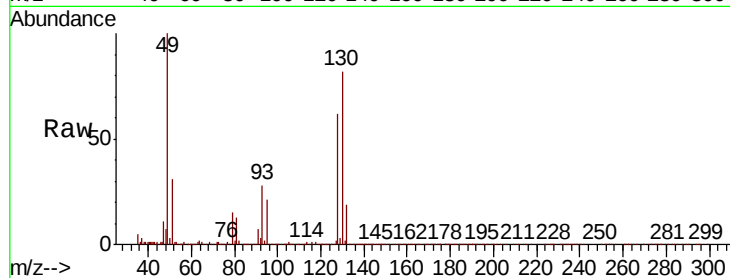
Tot Ion:128 Resp: 85374

Ion Ratio Lower Upper

128 100

49 167.8 0.0 405.0

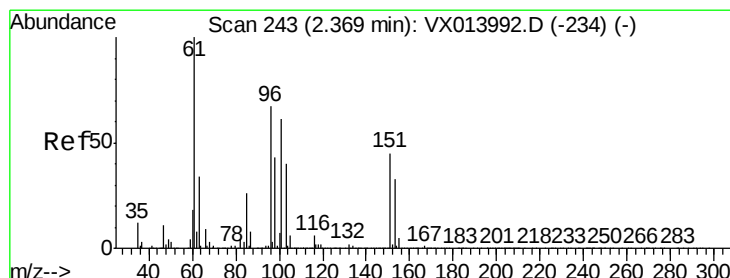
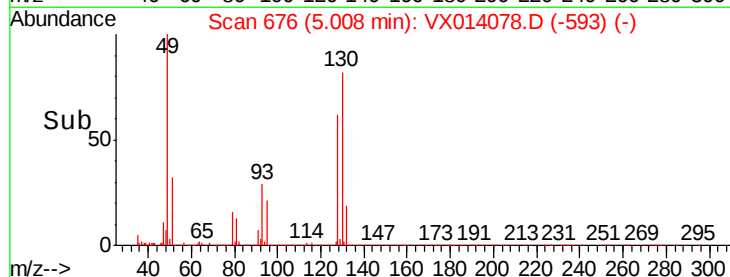
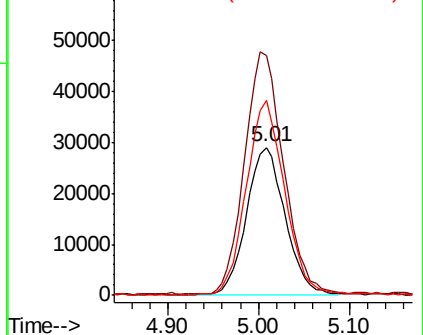
130 131.8 0.0 321.5



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



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.480 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014078.D

Acq: 18 Dec 2019 03:24

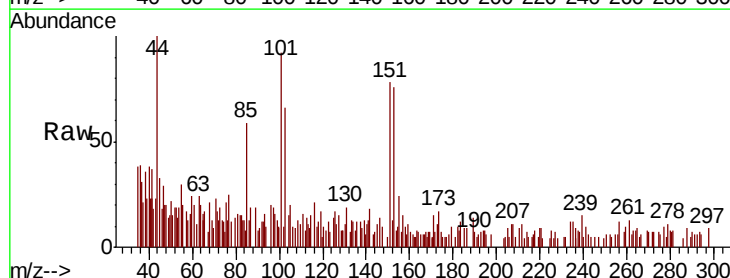
Tgt Ion:101 Resp: 2218

Ion Ratio Lower Upper

101 100

85 28.2 0.0 85.6

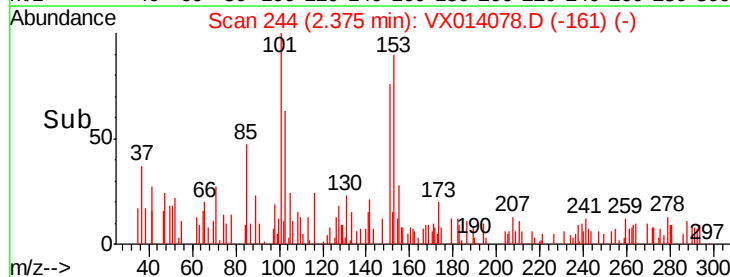
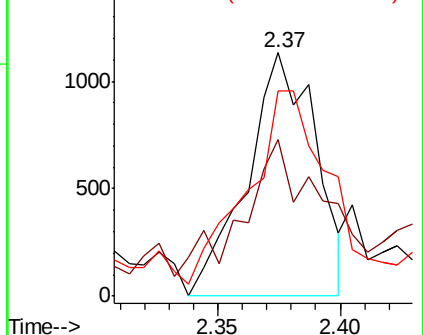
151 93.3 0.0 159.4

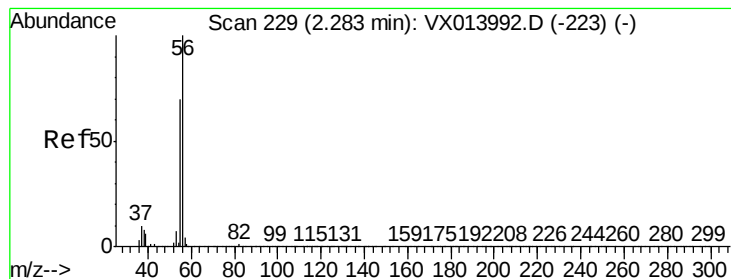


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V





#13

Acrolein

Concen: 0.336 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX014078.D

Acq: 18 Dec 2019 03:24

Instrument :

MSVOA_X

ClientSampleId :

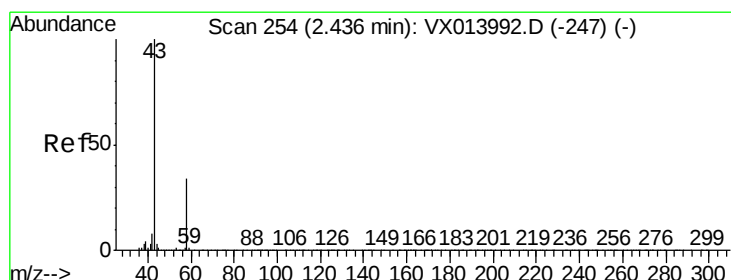
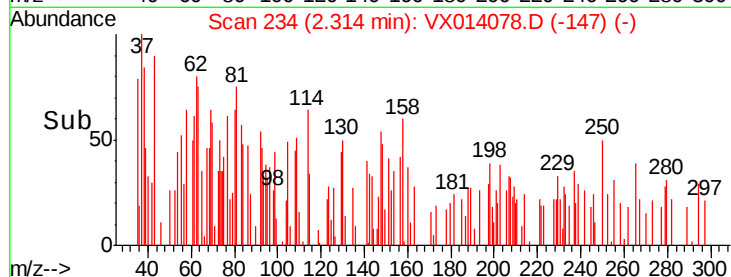
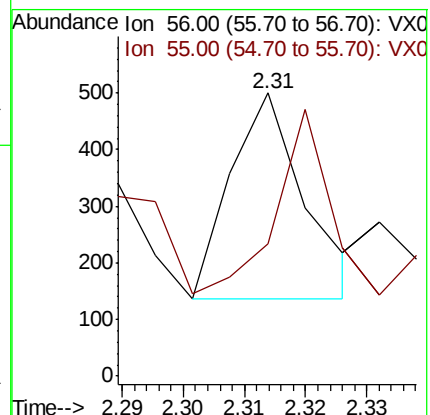
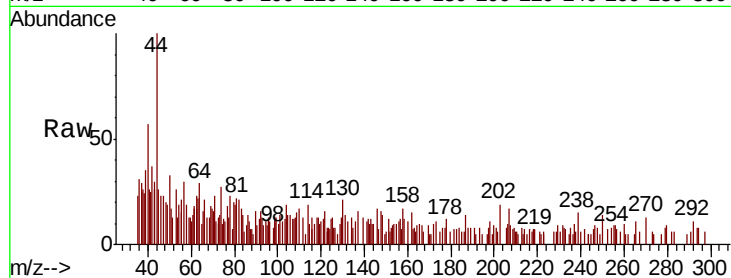
TT-015-IDW/GW-20191216

Tot Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 70.5 54.9 82.3



#15

Acetone

Concen: 2.610 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014078.D

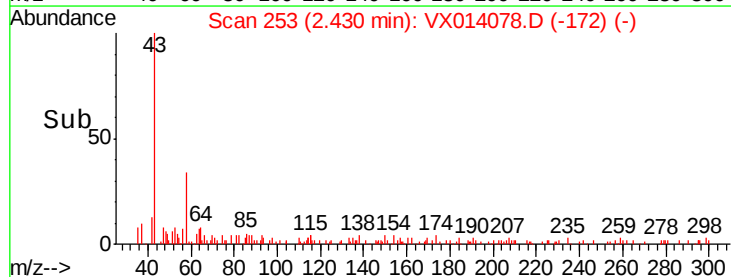
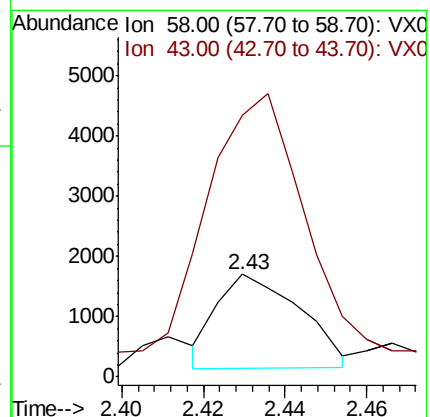
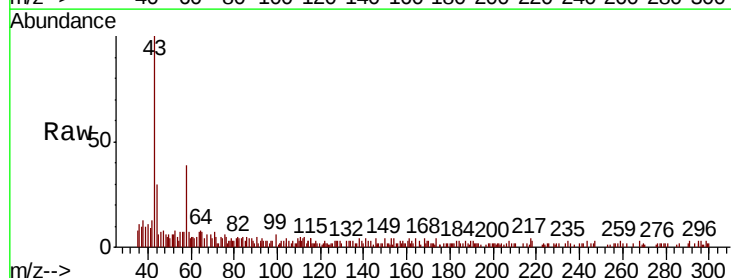
Acq: 18 Dec 2019 03:24

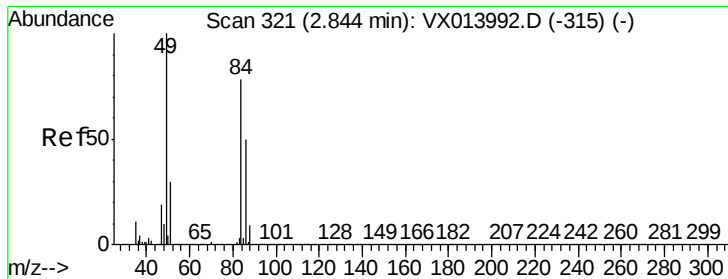
Tgt Ion: 58 Resp: 2218

Ion Ratio Lower Upper

58 100

43 245.2 236.3 354.5

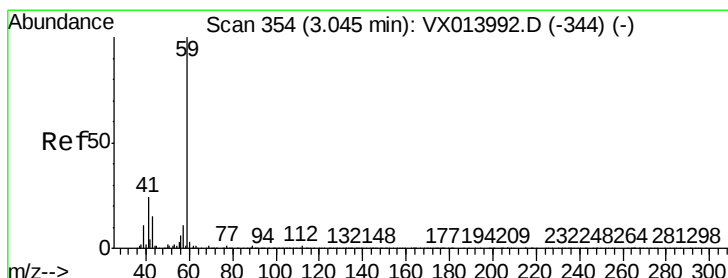
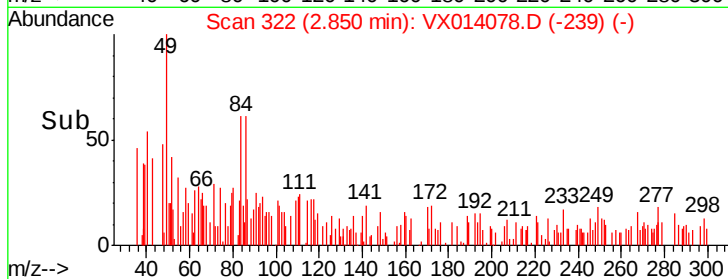
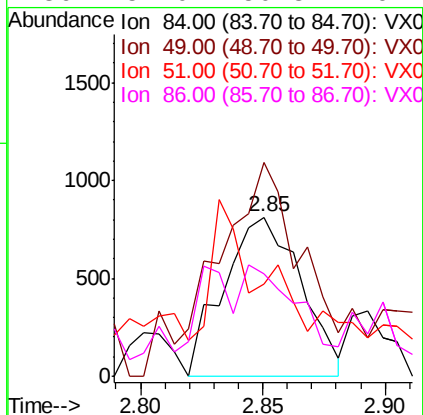
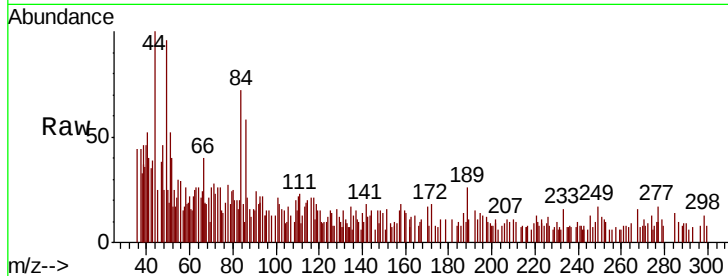




#18
Methvlene Chloride
Concen: 0.306 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014078.D
Acq: 18 Dec 2019 03:24

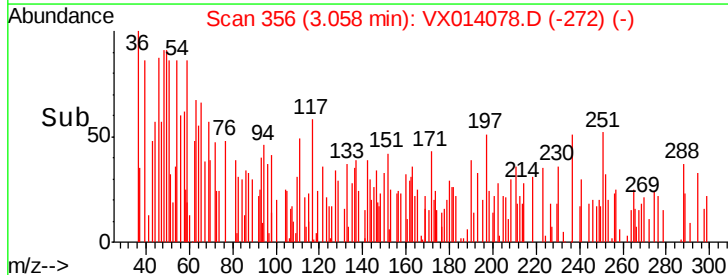
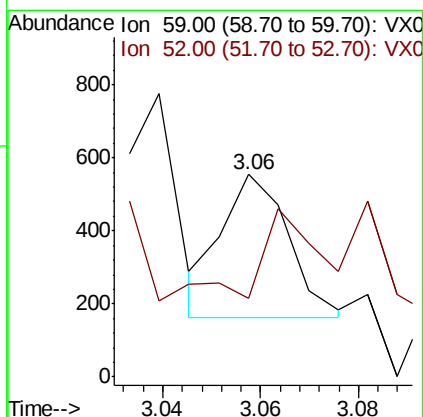
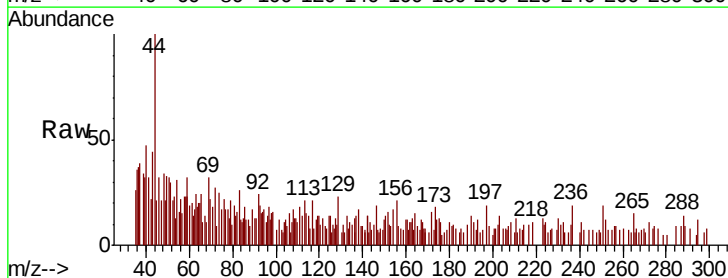
Instrument :
MSVOA_X
ClientSampleId :
TT-015-IDWGW-20191216

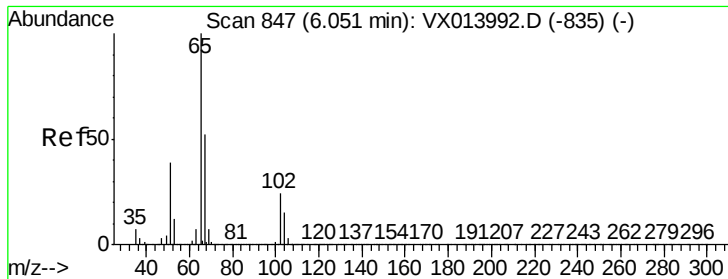
Tot Ion:	84	Resp:	1791
Ion	Ratio	Lower	Upper
84	100		
49	120.7	102.2	153.2
51	39.6	31.4	47.0
86	52.0	50.8	76.2



#23
tert-Butyl Alcohol
Concen: 0.328 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.01 min
Lab File: VX014078.D
Acq: 18 Dec 2019 03:24

Tgt Ion:	59	Resp:	372
Ion	Ratio	Lower	Upper
59	100		
52	43.3	0.2	0.2#



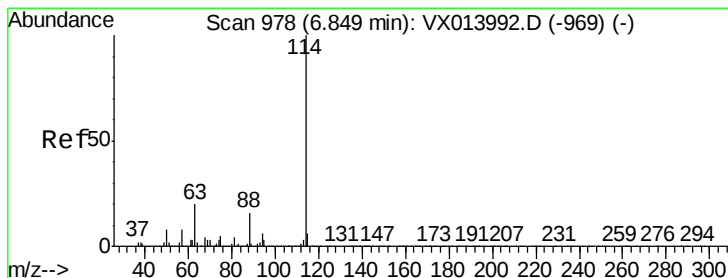
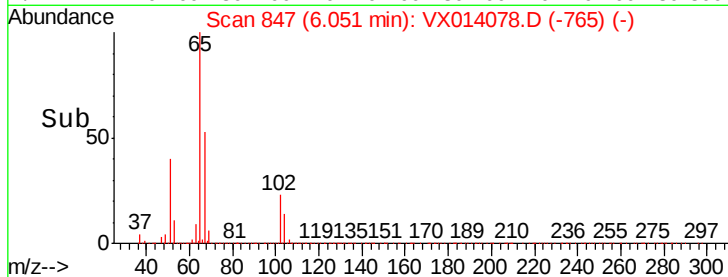
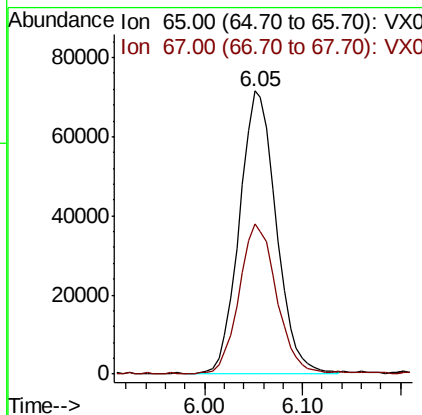
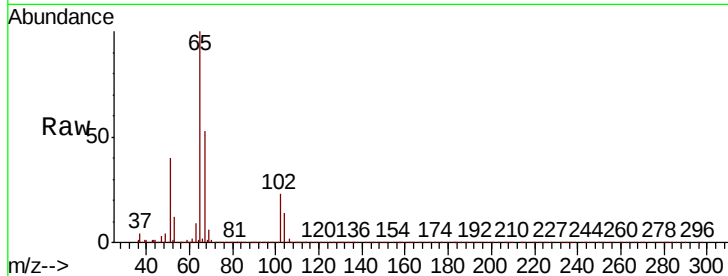


#27

1,2-Dichloroethane-d4
Concen: 30.455 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014078.D
Acq: 18 Dec 2019 03:24

Instrument :
MSVOA_X
ClientSampleId :
TT-015-IDWGW-20191216

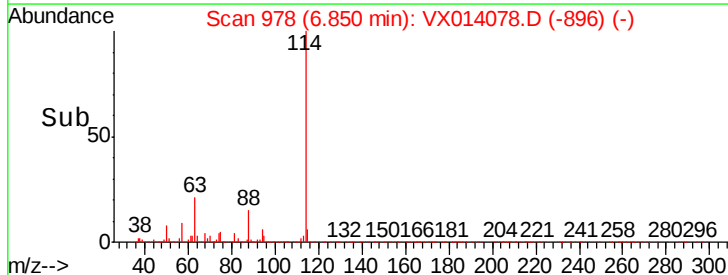
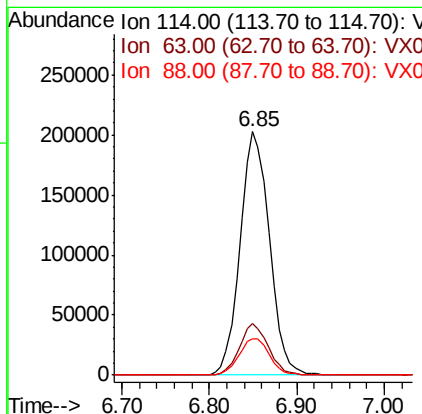
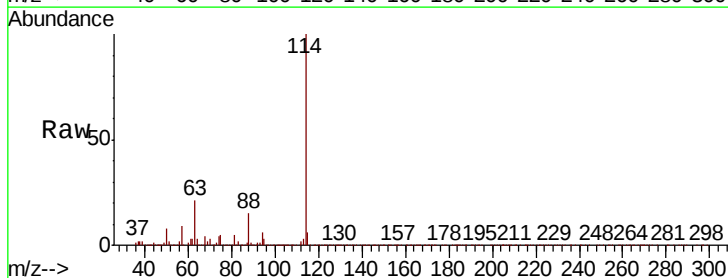
Tot Ion: 65 Resp: 186208
Ion Ratio Lower Upper
65 100
67 53.5 43.1 64.7

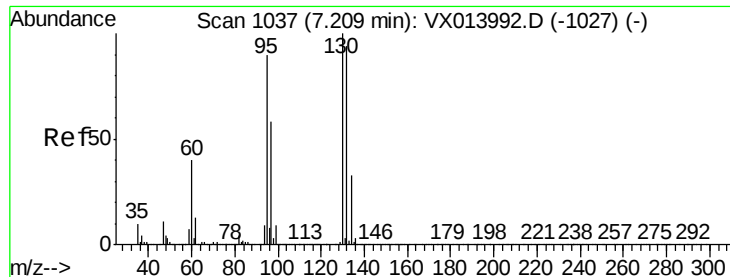


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014078.D
Acq: 18 Dec 2019 03:24

Tgt Ion: 114 Resp: 471439
Ion Ratio Lower Upper
114 100
63 20.5 16.1 24.1
88 15.4 12.5 18.7

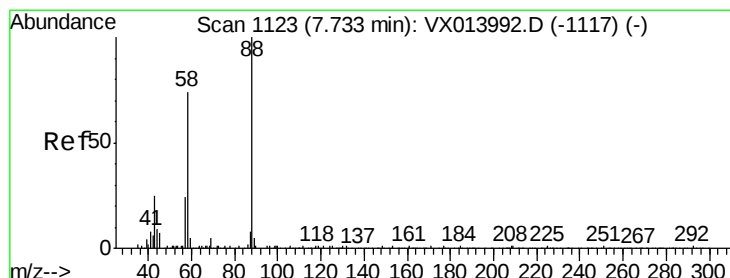
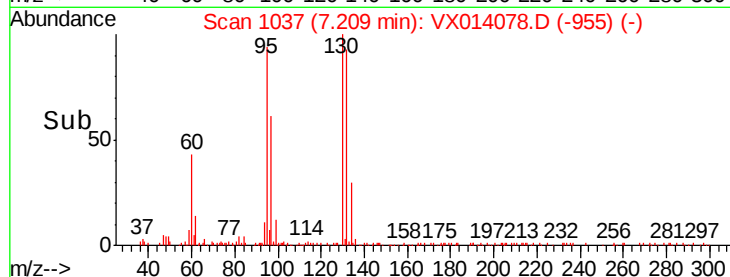
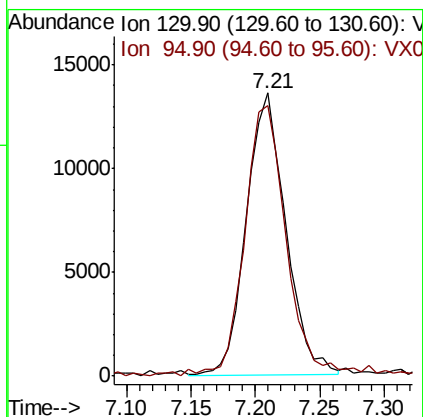
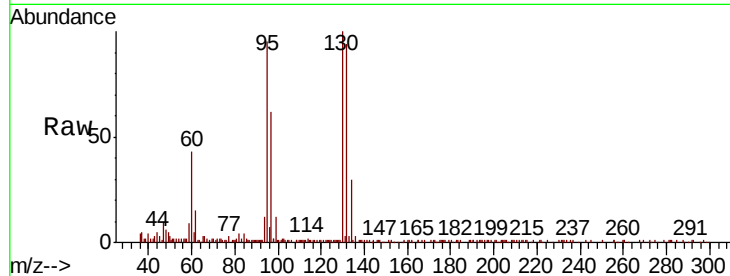




#37
 Trichloroethene
 Concen: 4.981 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014078.D
 Acq: 18 Dec 2019 03:24

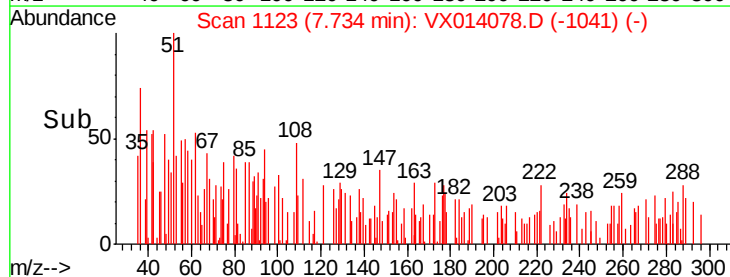
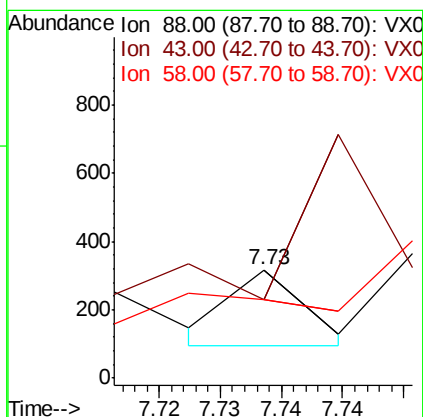
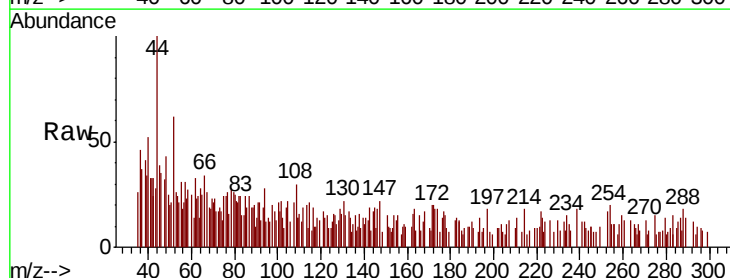
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-015-IDWGW-20191216

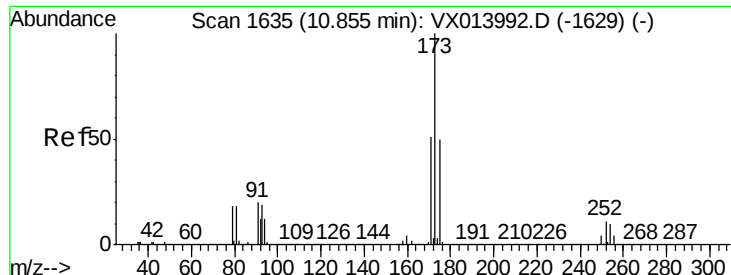
Tot Ion:130 Resp: 28778
 Ion Ratio Lower Upper
 130 100
 95 93.7 71.7 107.5



#45
 1,4-Dioxane
 Concen: 0.778 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014078.D
 Acq: 18 Dec 2019 03:24

Tgt Ion: 88 Resp: 94
 Ion Ratio Lower Upper
 88 100
 43 405.3 25.4 38.2#
 58 107.4 56.5 84.7#





#56

Bromoform

Concen: 0.274 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014078.D

Acq: 18 Dec 2019 03:24

Instrument :

MSVOA_X

ClientSampleId :

TT-015-IDW/GW-20191216

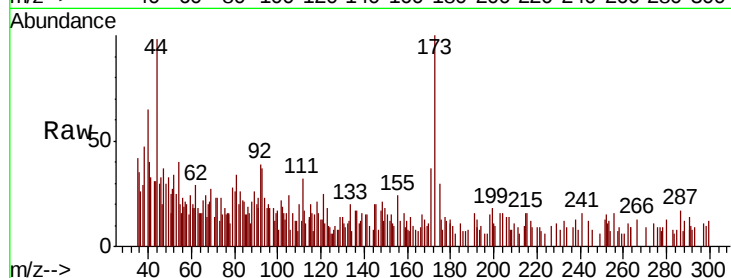
Tot Ion:173 Resp: 1162

Ion Ratio Lower Upper

173 100

175 85.2 39.5 59.3#

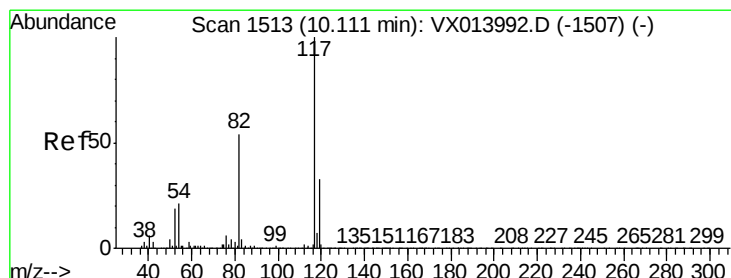
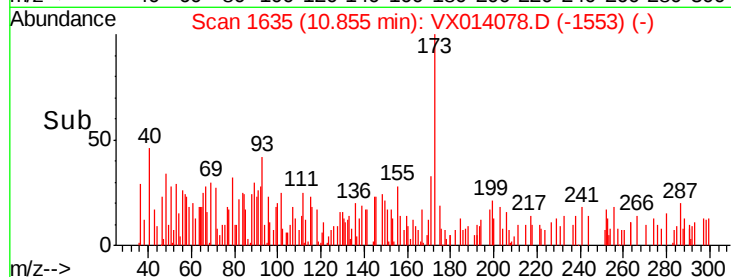
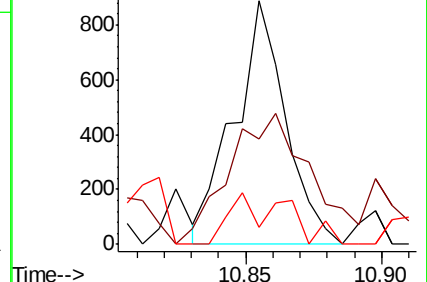
254 9.9 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014078.D

Acq: 18 Dec 2019 03:24

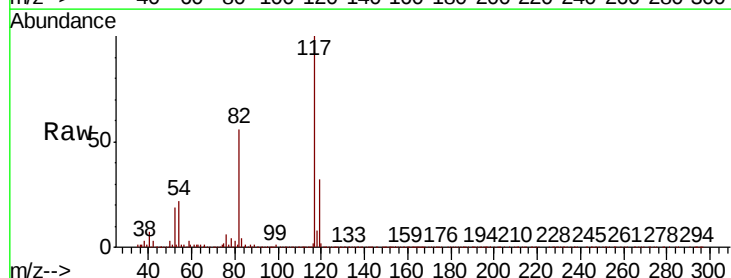
Tgt Ion:117 Resp: 403867

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.6

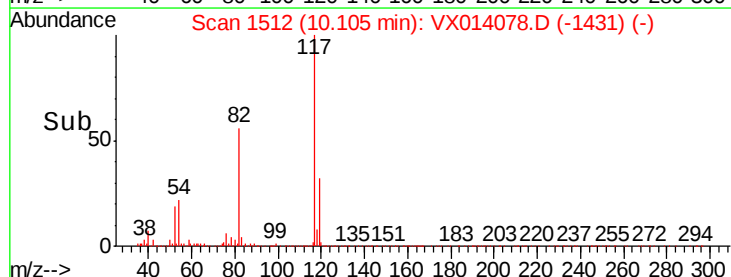
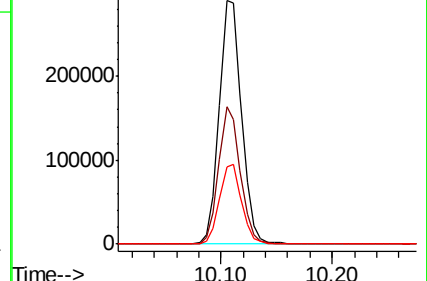
119 32.4 25.8 38.6

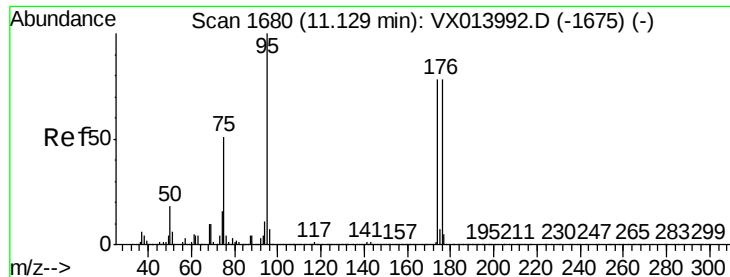


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

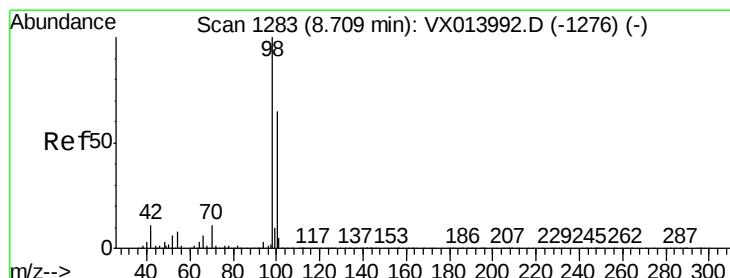
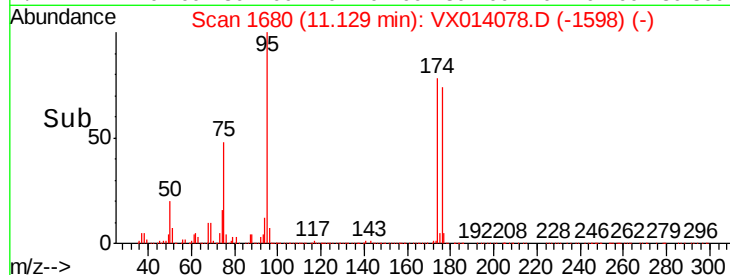
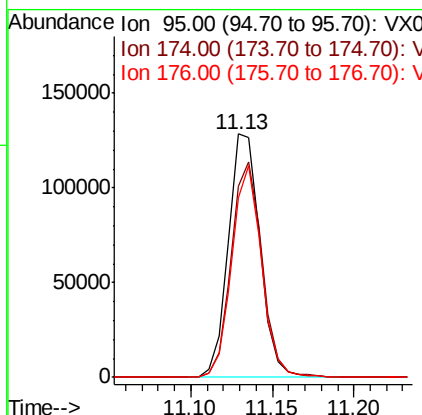
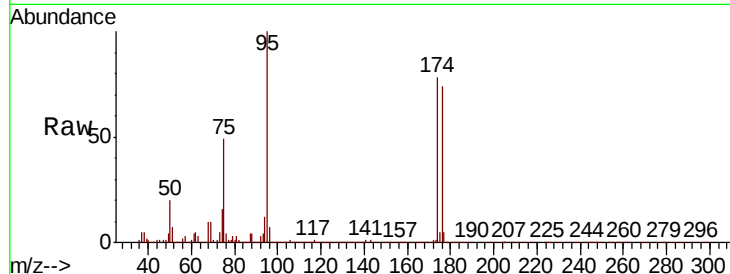




#60
4-Bromofluorobenzene
Concen: 26.417 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014078.D
Acq: 18 Dec 2019 03:24

Instrument :
MSVOA_X
ClientSampleId :
TT-015-IDW/GW-20191216

Tot Ion	Ratio	Lower	Upper
95	100		
174	86.8	70.2	105.2
176	82.3	68.3	102.5



#63
Toluene-d8
Concen: 31.166 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014078.D
Acq: 18 Dec 2019 03:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2

