

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX014002.D
 Acq On : 13 Dec 2019 04:17
 Operator : JC/SP
 Sample : K6258-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-NEAR-THE-CURB-(3A)

Quant Time: Dec 13 04:43:00 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	5.00	128	92253	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	491367	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	425521	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	197372	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	11.13	95	186096	27.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.27%
63) Toluene-d8	8.71	98	581865	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

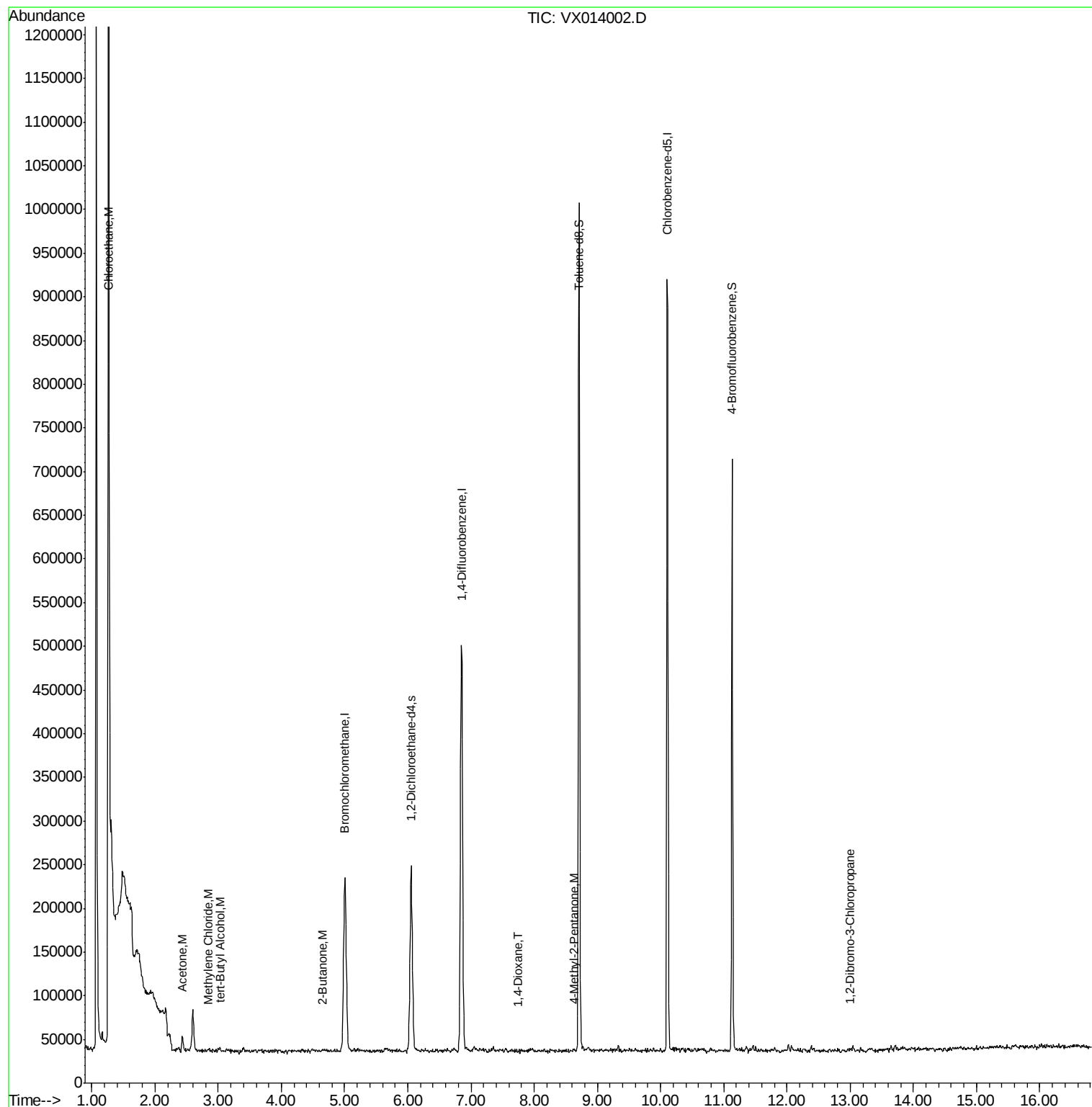
Target Compounds						Ovalue
6) Chloroethane	1.27	64	2174220	522.788	ug/l #	52
15) Acetone	2.44	58	5761	6.273	ug/l #	62
18) Methylene Chloride	2.84	84	1427	0.225	ug/l #	80
23) tert-Butyl Alcohol	3.03	59	2514	2.050	ug/l #	92
30) 2-Butanone	4.66	43	2275	0.544	ug/l #	79
45) 1,4-Dioxane	7.74	88	280	2.224	ug/l #	23
58) 4-Methyl-2-Pentanone	8.64	43	2443	0.307	ug/l #	87
88) 1,2-Dibromo-3-Chloropropan	13.00	75	370	0.216	ug/l #	39

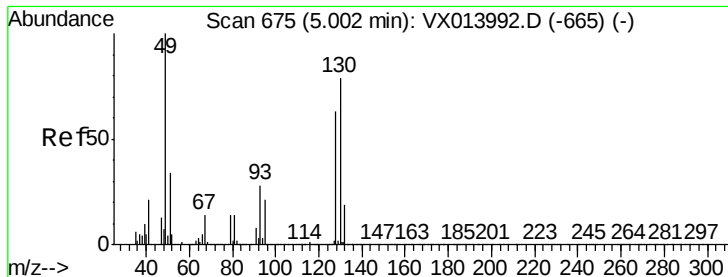
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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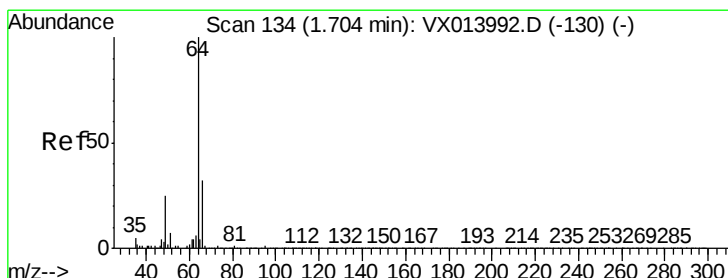
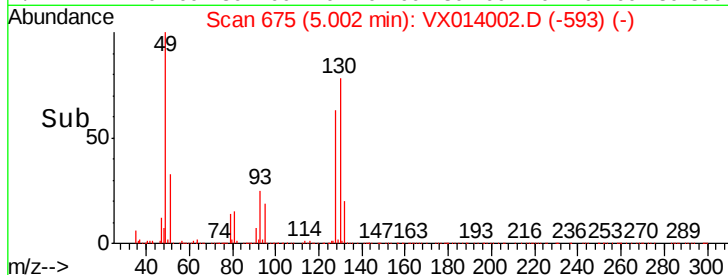
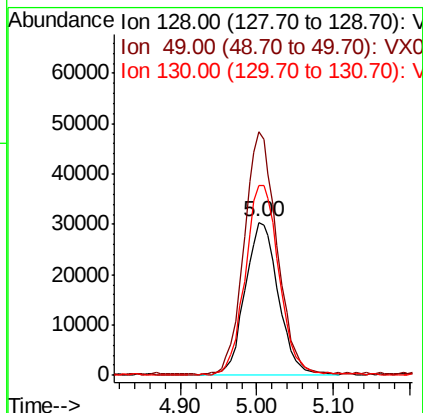
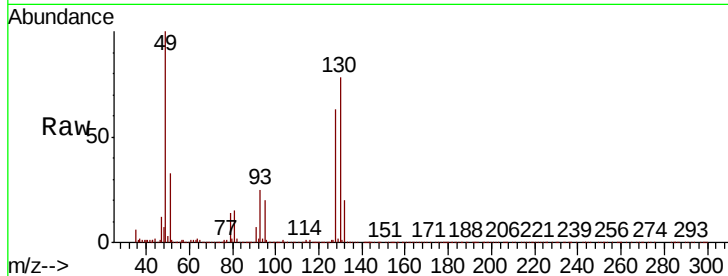


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014002.D
 Acq: 13 Dec 2019 04:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-NEAR-THE-CURB-(3A)

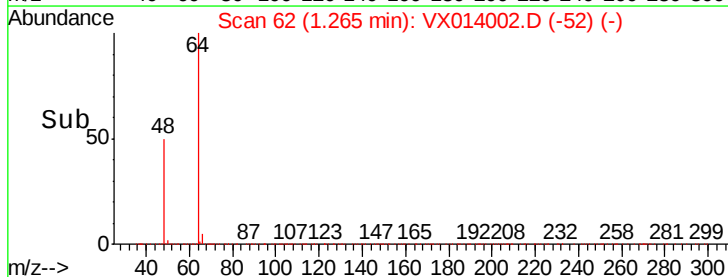
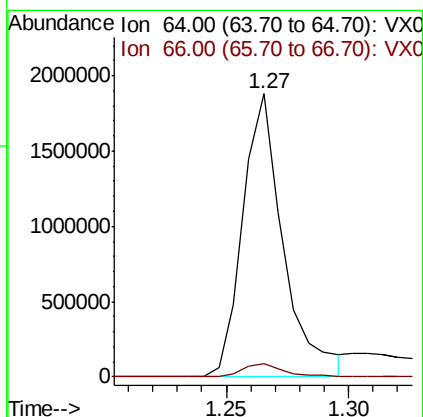
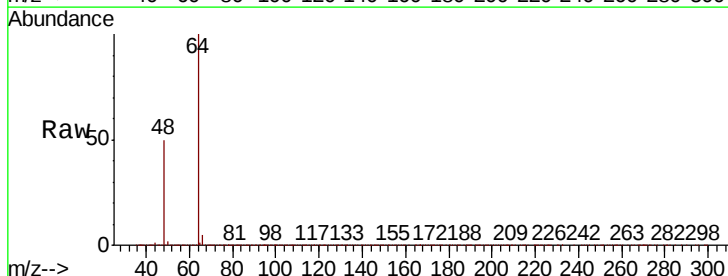
Tot Ion:128 Resp: 92253
 Ion Ratio Lower Upper
 128 100
 49 156.5 0.0 405.0
 130 125.0 0.0 321.5

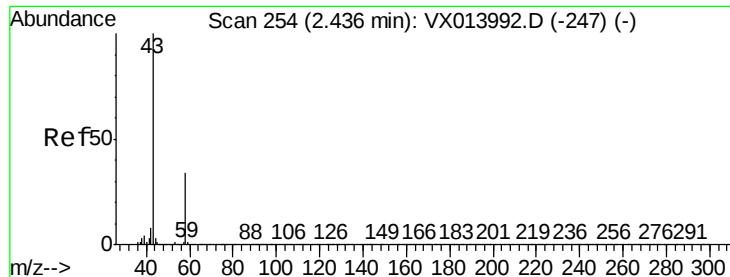


#6

Chloroethane
 Concen: 522.788 ug/l
 RT: 1.27 min Scan# 62
 Delta R.T. -0.44 min
 Lab File: VX014002.D
 Acq: 13 Dec 2019 04:17

Tgt Ion: 64 Resp: 2174220
 Ion Ratio Lower Upper
 64 100
 66 4.8 25.2 37.8#





#15

Acetone

Concen: 6.273 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

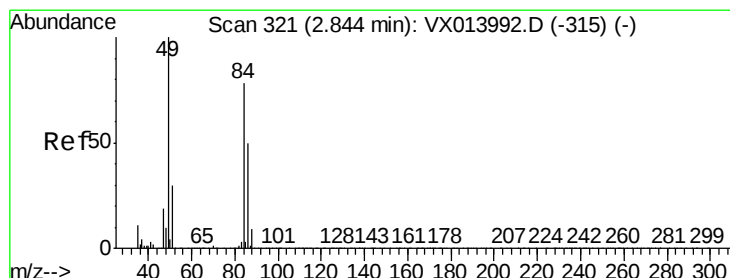
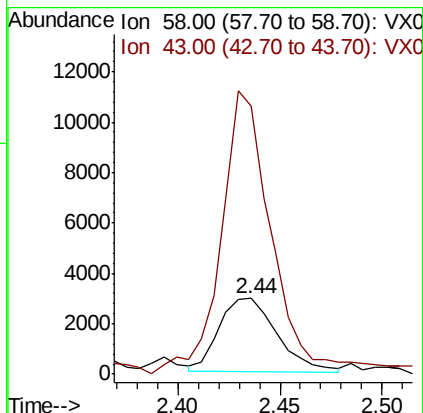
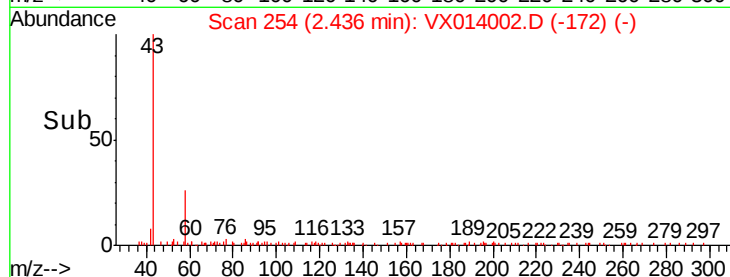
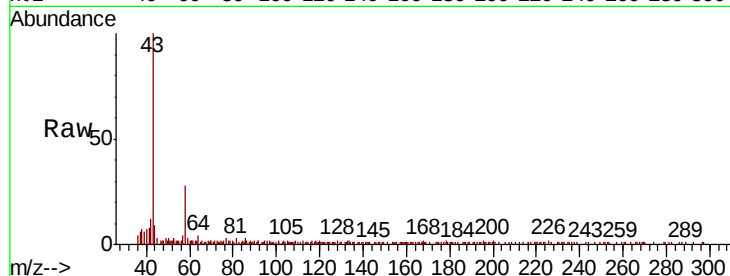
MH-NEAR-THE-CURB-(3A)

Tot Ion: 58 Resp: 5761

Ion Ratio Lower Upper

58 100

43 369.3 236.3 354.5#



#18

Methylene Chloride

Concen: 0.225 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

Tgt Ion: 84 Resp: 1427

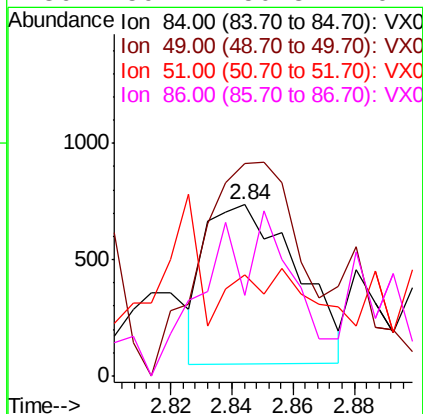
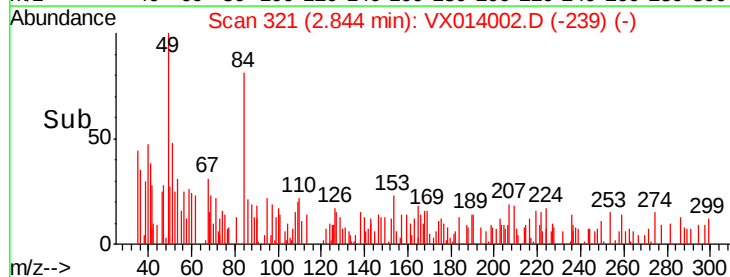
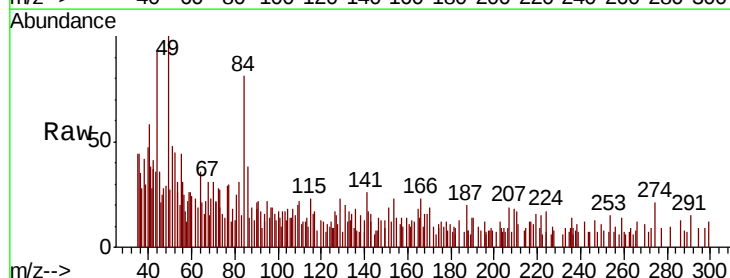
Ion Ratio Lower Upper

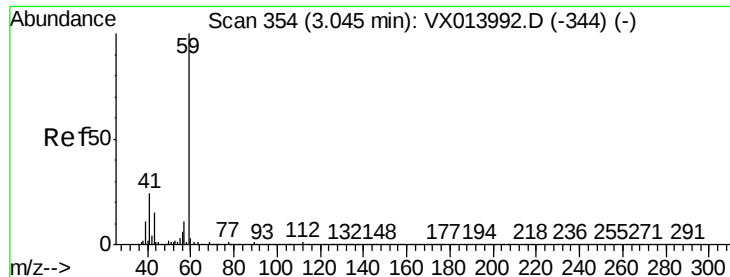
84 100

49 97.8 102.2 153.2#

51 26.0 31.4 47.0#

86 59.1 50.8 76.2





#23

tert-Butyl Alcohol

Concen: 2.050 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

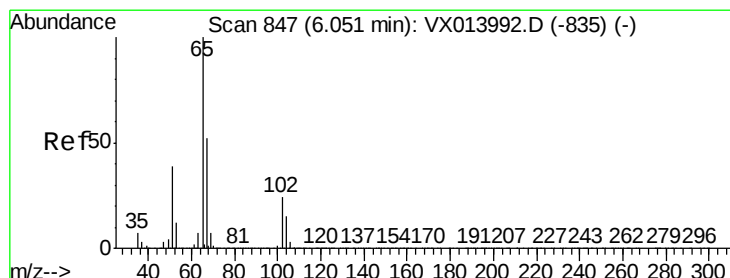
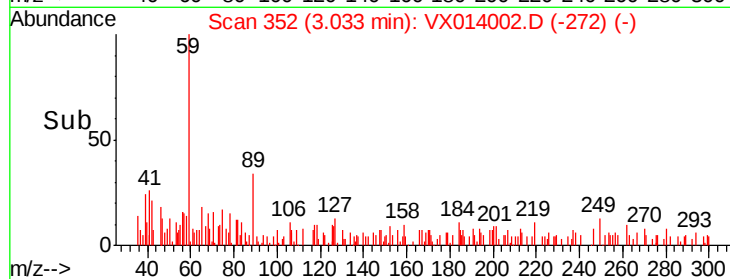
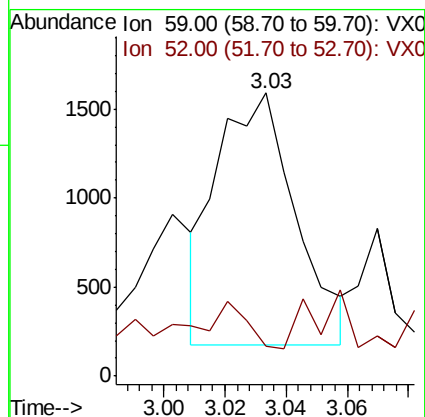
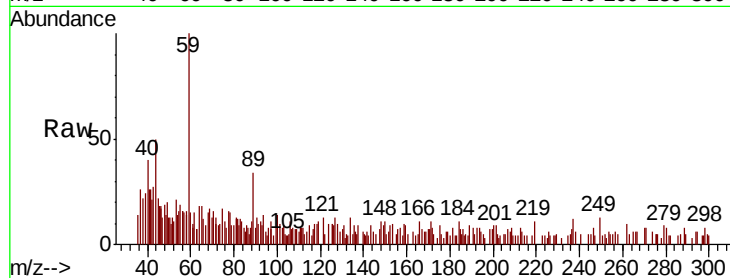
MH-NEAR-THE-CURB-(3A)

Tot Ion: 59 Resp: 2514

Ion Ratio Lower Upper

59 100

52 11.0 0.2 0.2#



#27

1,2-Dichloroethane-d4

Concen: 29.874 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014002.D

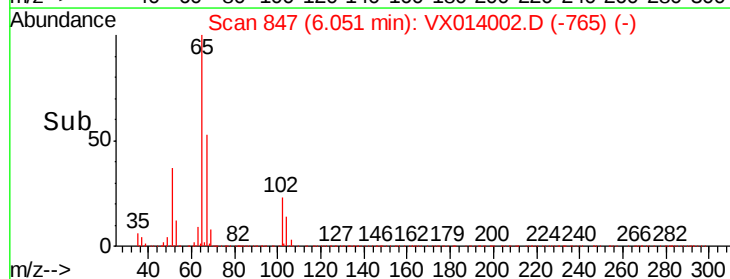
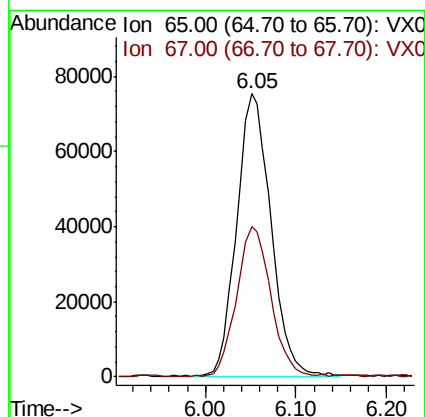
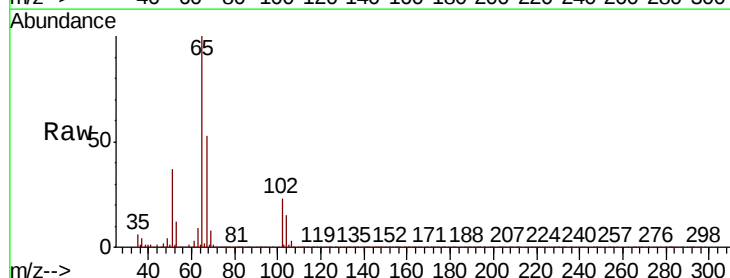
Acq: 13 Dec 2019 04:17

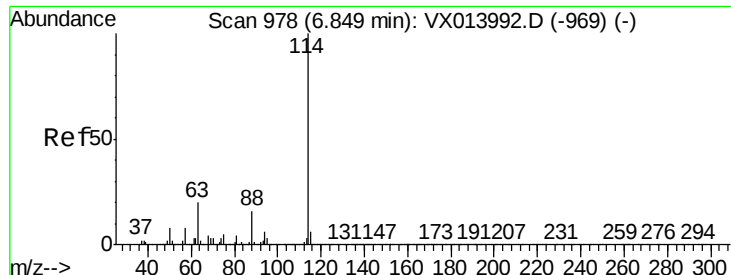
Tgt Ion: 65 Resp: 197372

Ion Ratio Lower Upper

65 100

67 52.7 43.1 64.7

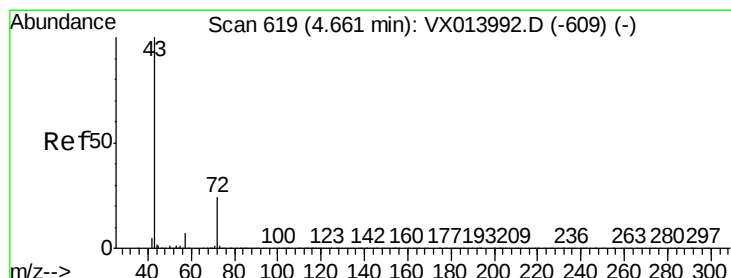
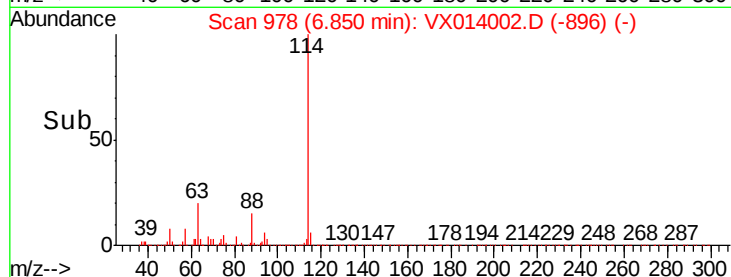
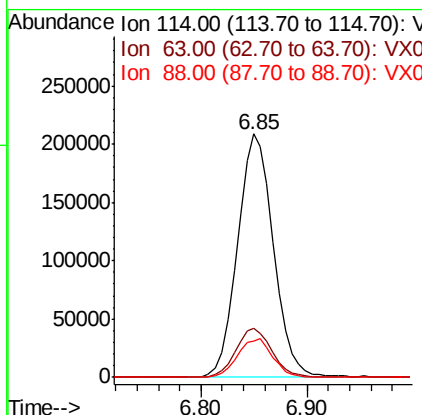
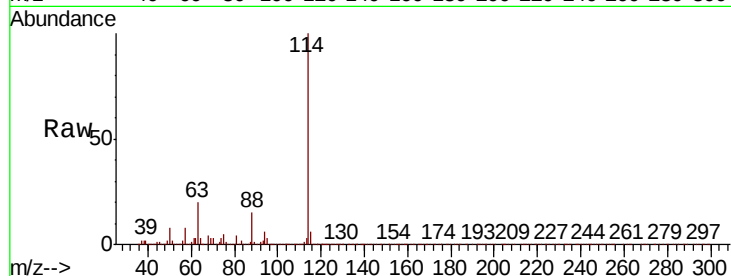




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014002.D
 Acq: 13 Dec 2019 04:17

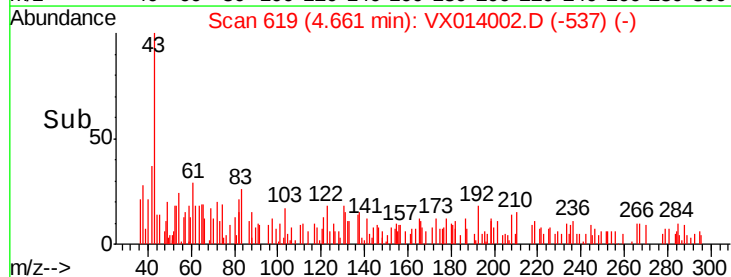
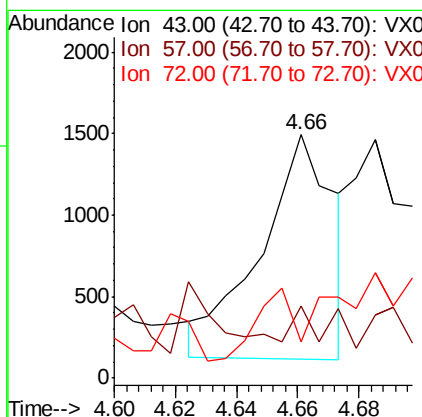
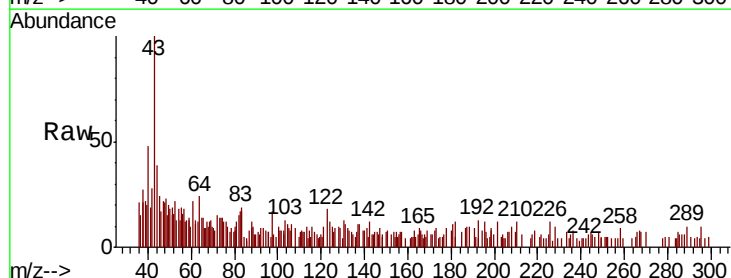
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-NEAR-THE-CURB-(3A)

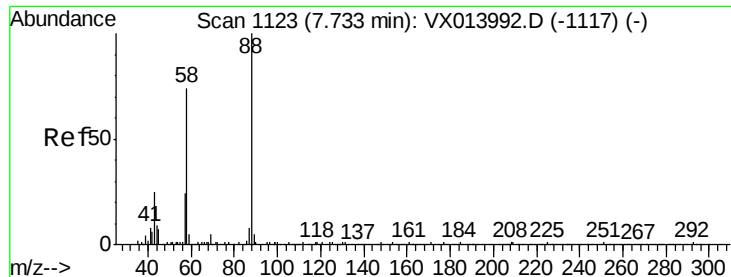
Tot Ion:	114	Resp:	491367
Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	15.7	12.5	18.7



#30
 2-Butanone
 Concen: 0.544 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014002.D
 Acq: 13 Dec 2019 04:17

Tgt Ion:	43	Resp:	2275
Ion	Ratio	Lower	Upper
43	100		
57	20.5	6.2	9.2#
72	17.0	20.3	30.5#





#45

1,4-Dioxane

Concen: 2.224 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

MH-NEAR-THE-CURB-(3A)

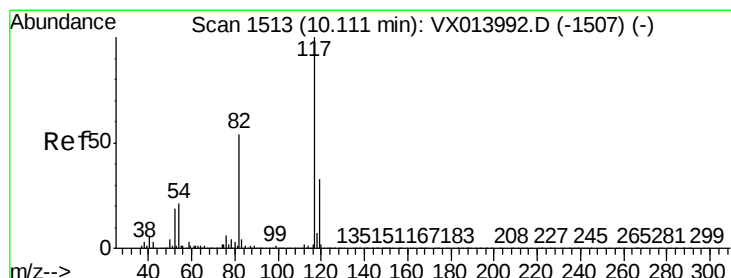
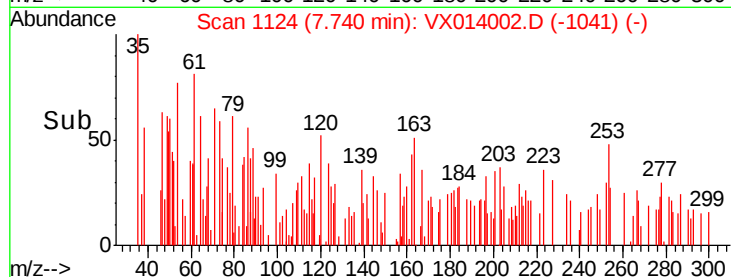
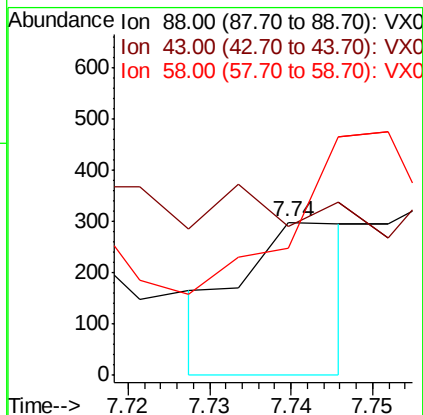
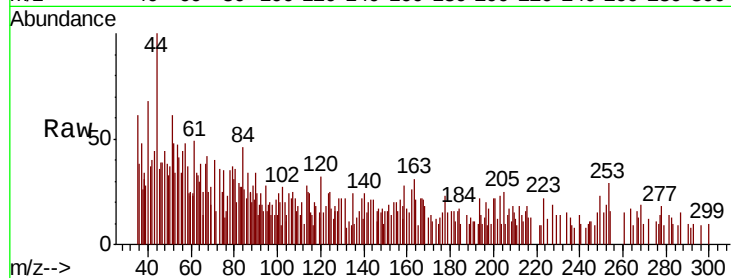
Tot Ion: 88 Resp: 280

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 56.5 84.7#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

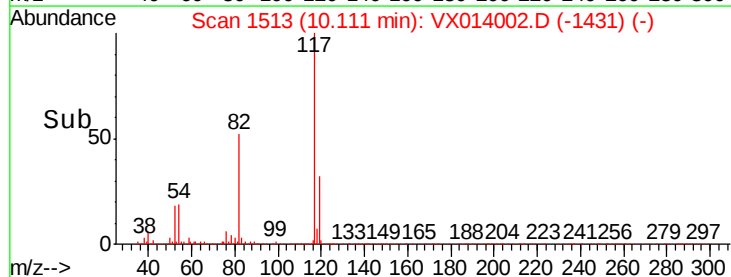
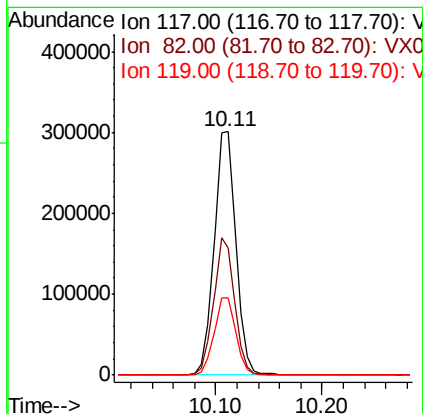
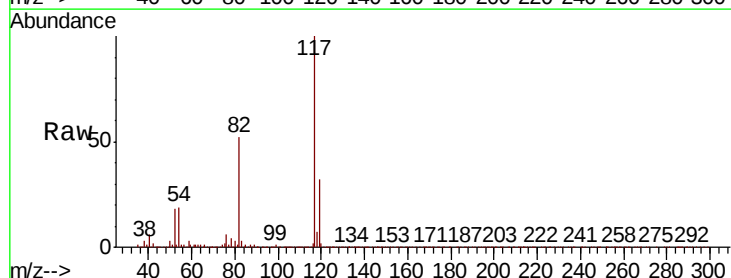
Tgt Ion: 117 Resp: 425521

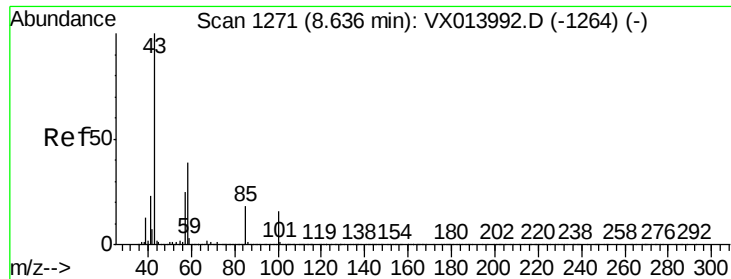
Ion Ratio Lower Upper

117 100

82 53.9 43.8 65.6

119 31.9 25.8 38.6

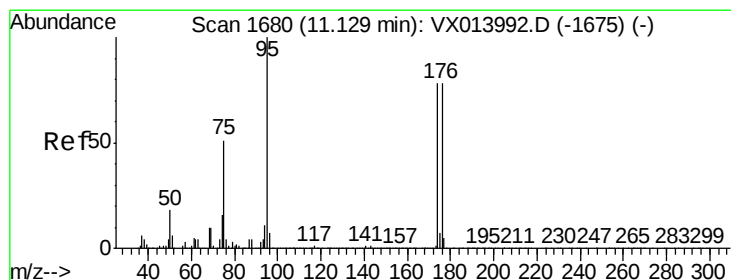
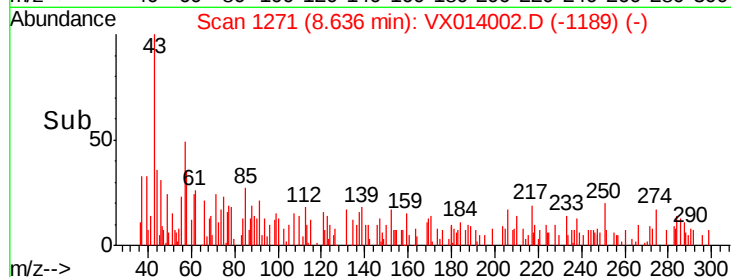
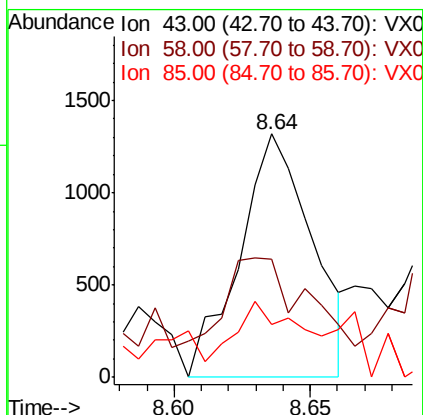
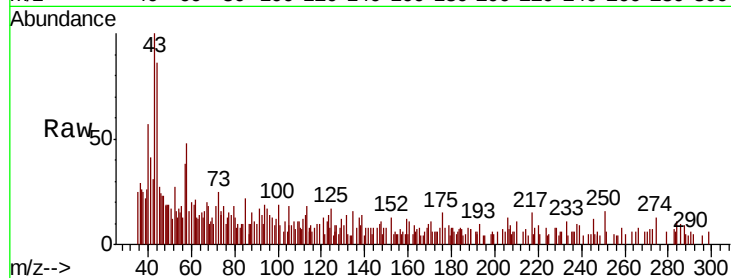




#58
4-Methyl-2-Pentanone
Concen: 0.307 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014002.D
Acq: 13 Dec 2019 04:17

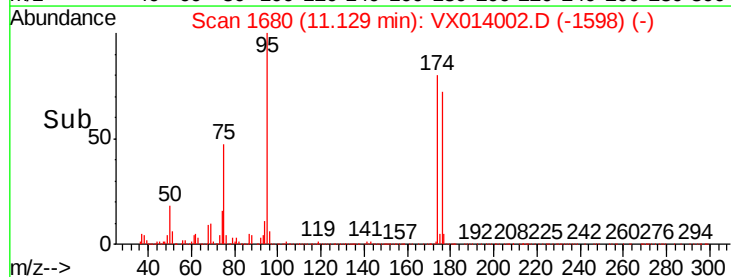
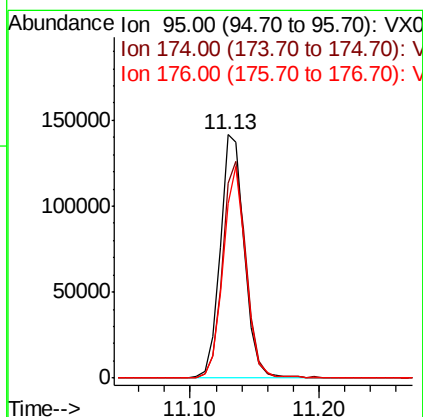
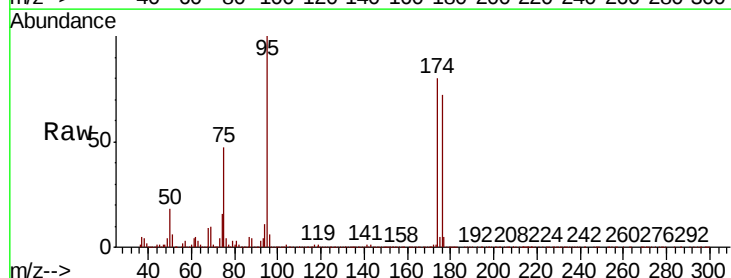
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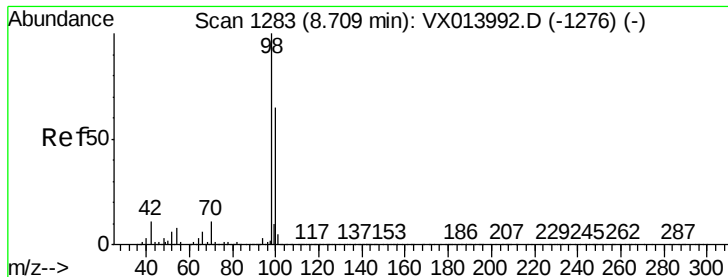
Tot Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
58 28.7 31.2 46.8#
85 19.6 14.2 21.2



#60
4-Bromofluorobenzene
Concen: 27.083 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014002.D
Acq: 13 Dec 2019 04:17

Tgt Ion: 95 Resp: 186096
Ion Ratio Lower Upper
95 100
174 87.4 70.2 105.2
176 82.5 68.3 102.5





#63

Toluene-d8

Concen: 30.592 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

Instrument :

MSVOA_X

ClientSampleId :

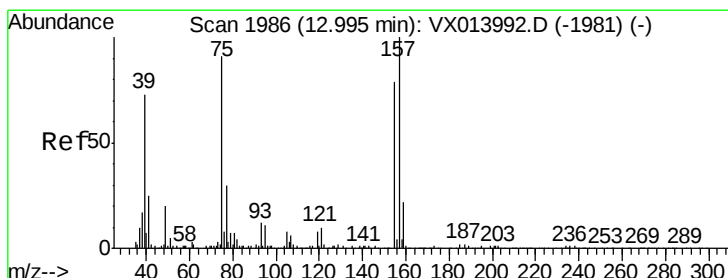
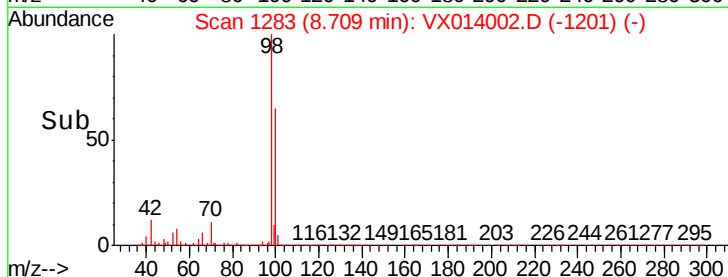
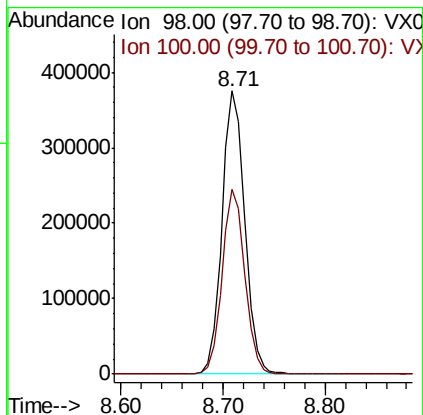
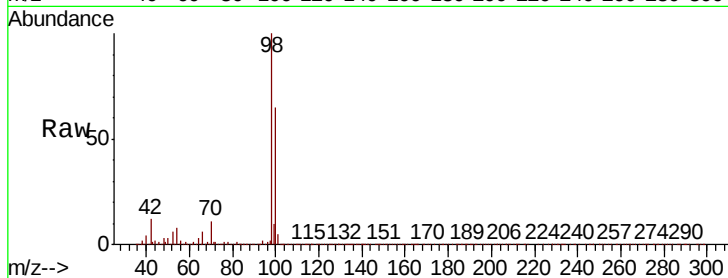
MH-NEAR-THE-CURB-(3A)

Tot Ion: 98 Resp: 581865

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.216 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX014002.D

Acq: 13 Dec 2019 04:17

Tgt Ion: 75 Resp: 370

Ion Ratio Lower Upper

75 100

155 38.6 73.8 110.6#

157 46.5 95.0 142.4#

