

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
 Data File : VX014994.D
 Acq On : 21 Feb 2020 14:35
 Operator : JC/SP
 Sample : L1561-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MANHOLE

Quant Time: Feb 22 00:53:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	69500	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	378234	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	341935	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	147405	30.50	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.67%
60) 4-Bromofluorobenzene	11.13	95	149069	27.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.30%
63) Toluene-d8	8.71	98	427660	28.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.60%

Target Compounds

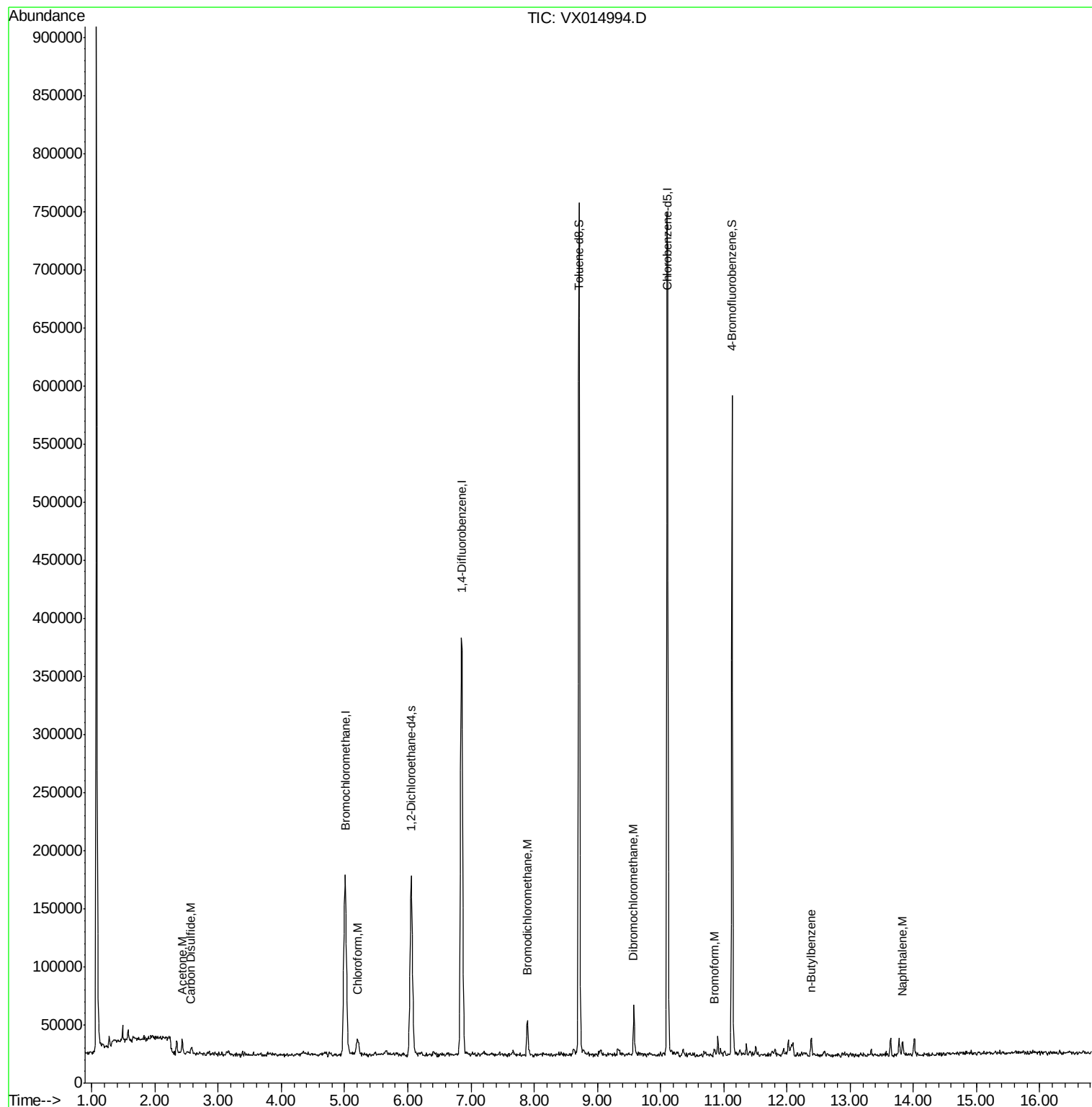
					Ovalue
15) Acetone	2.43	58	3956	5.384 ug/l	93
16) Carbon Disulfide	2.56	76	5237	0.533 ug/l #	91
25) Chloroform	5.20	83	16996	2.369 ug/l	89
41) Bromodichloromethane	7.89	83	18587	3.391 ug/l	97
53) Dibromochloromethane	9.58	129	14929	3.340 ug/l	98
56) Bromoform	10.85	173	2755	0.786 ug/l #	94
85) n-Butylbenzene	12.38	91	4469	0.298 ug/l	91
91) Naphthalene	13.83	128	7580	0.413 ug/l #	87

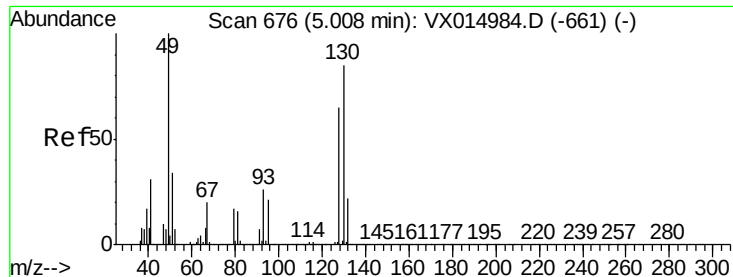
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX014994.D

Acq: 21 Feb 2020 14:35

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE

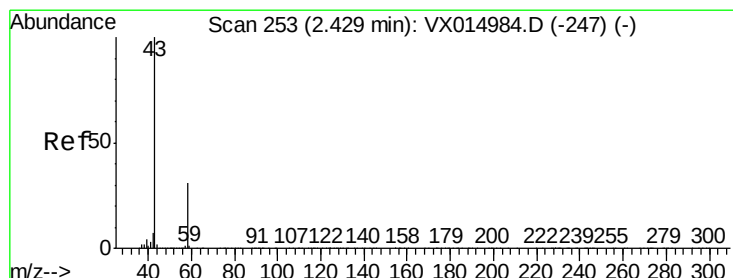
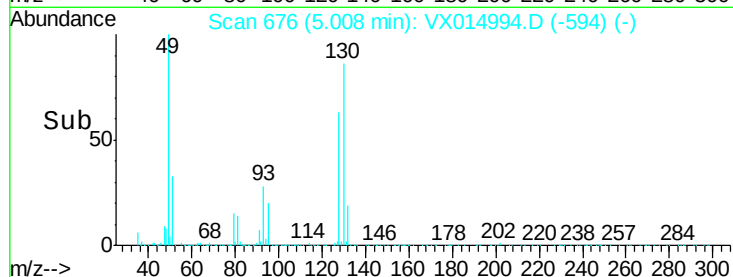
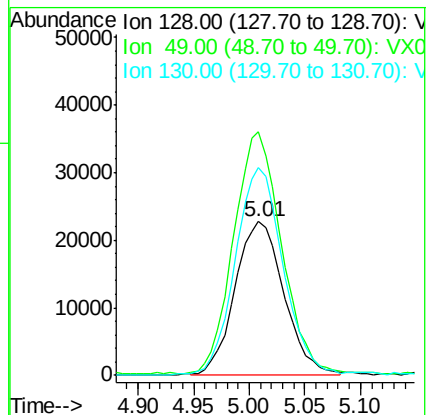
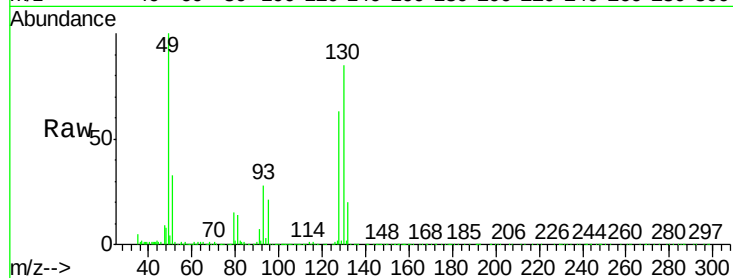
Tot Ion:128 Resp: 69500

Ion Ratio Lower Upper

128 100

49 154.5 0.0 384.7

130 131.5 0.0 330.8



#15

Acetone

Concen: 5.384 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014994.D

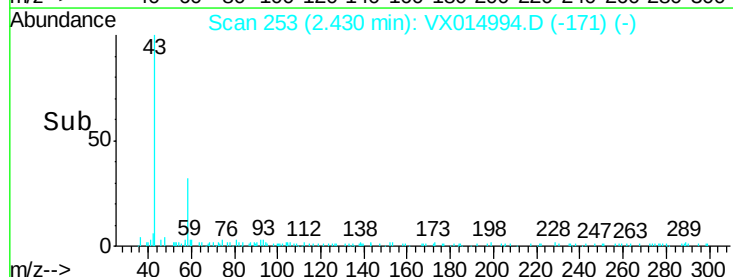
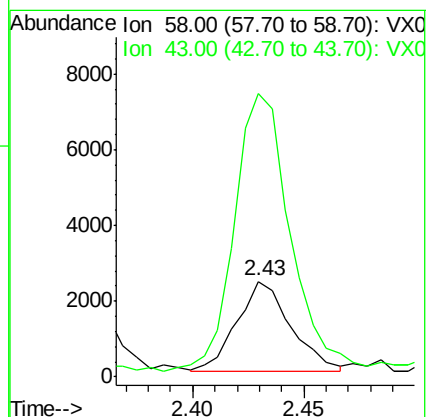
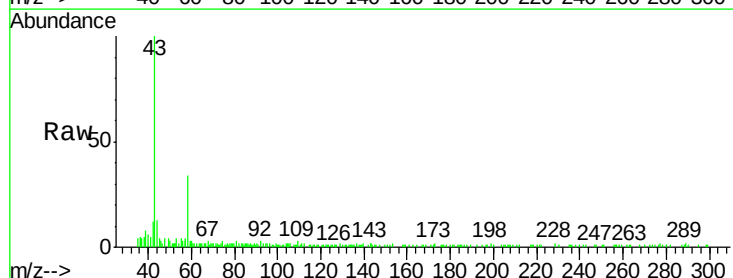
Acq: 21 Feb 2020 14:35

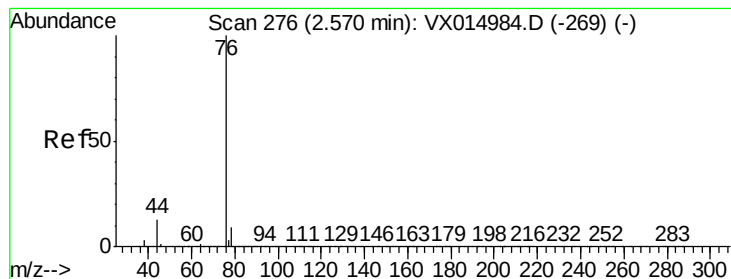
Tgt Ion: 58 Resp: 3956

Ion Ratio Lower Upper

58 100

43 307.6 257.7 386.5





#16

Carbon Disulfide

Concen: 0.533 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014994.D

Acq: 21 Feb 2020 14:35

Instrument :

MSVOA_X

ClientSampleId :

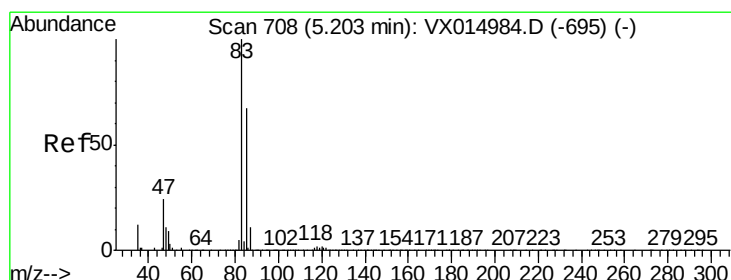
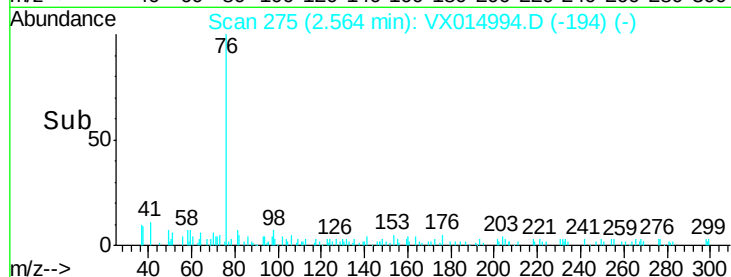
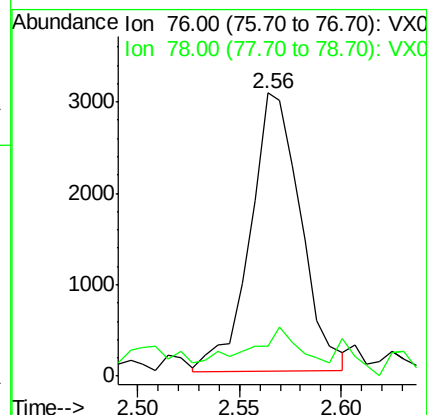
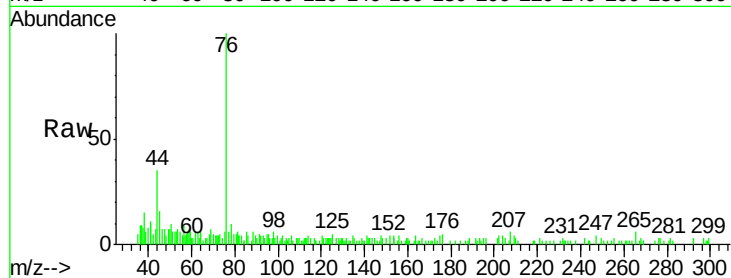
MANHOLE

Tot Ion: 76 Resp: 5237

Ion Ratio Lower Upper

76 100

78 5.8 7.1 10.7#



#25

Chloroform

Concen: 2.369 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014994.D

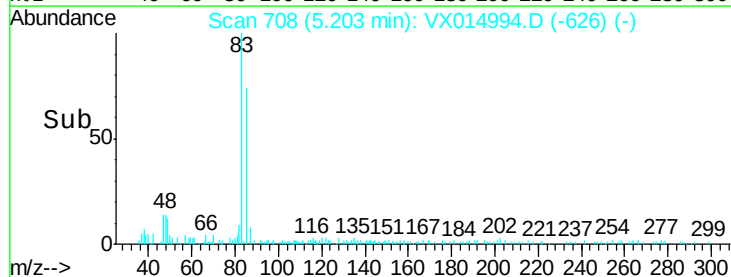
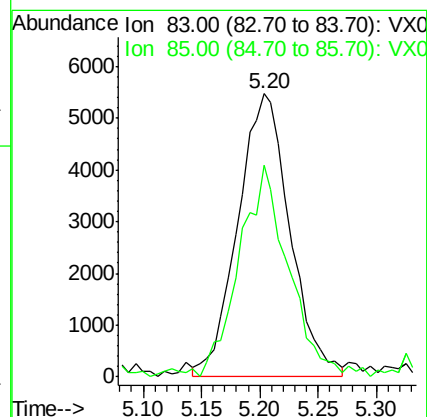
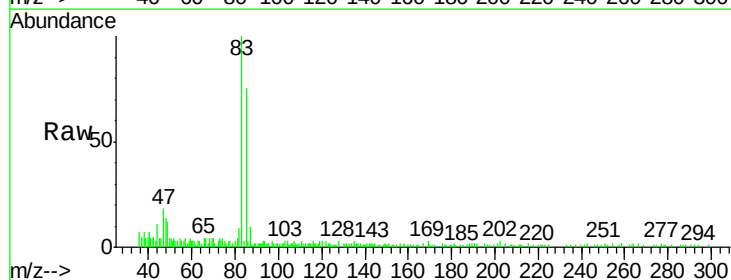
Acq: 21 Feb 2020 14:35

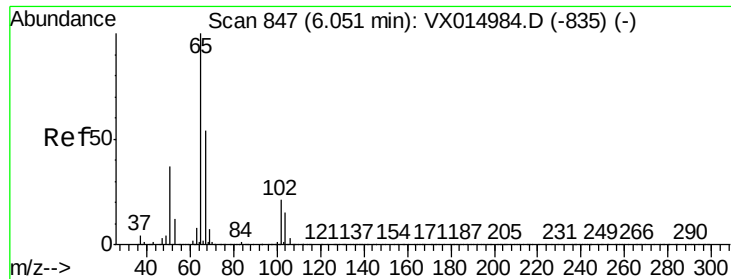
Tgt Ion: 83 Resp: 16996

Ion Ratio Lower Upper

83 100

85 75.6 53.4 80.0

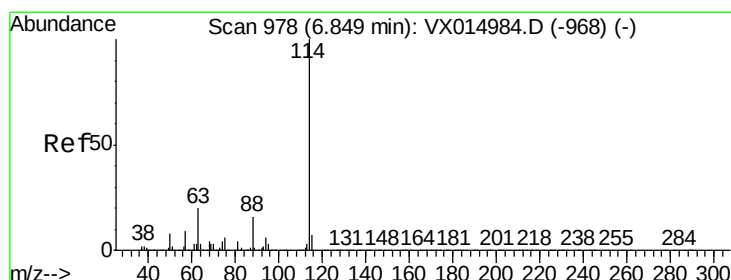
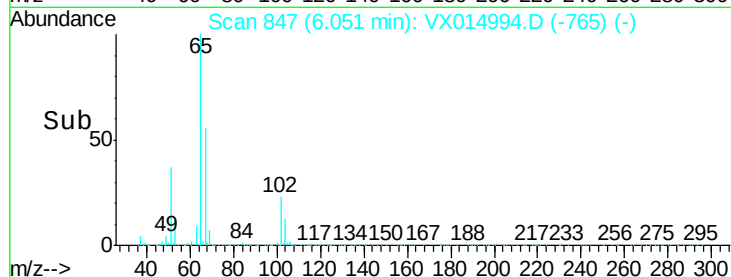
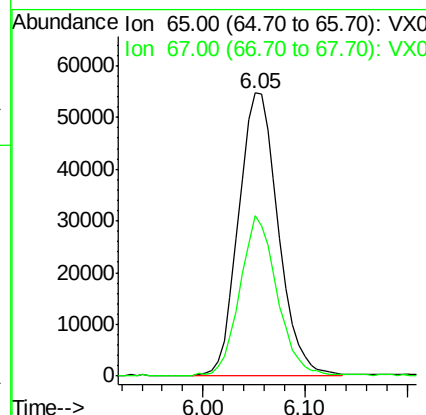
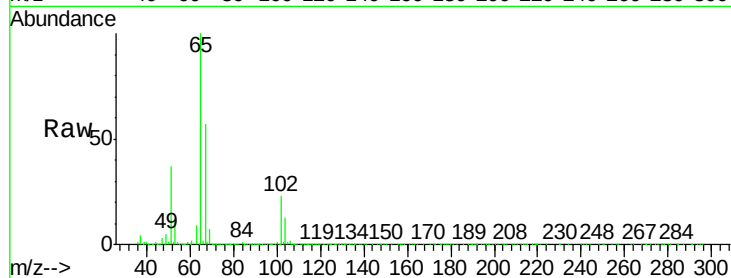




#27
 1,2-Dichloroethane-d4
 Concen: 30.501 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014994.D
 Acq: 21 Feb 2020 14:35

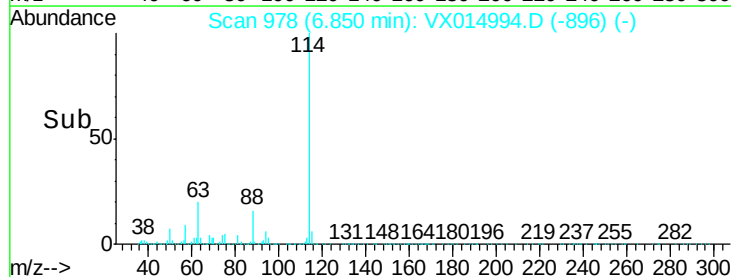
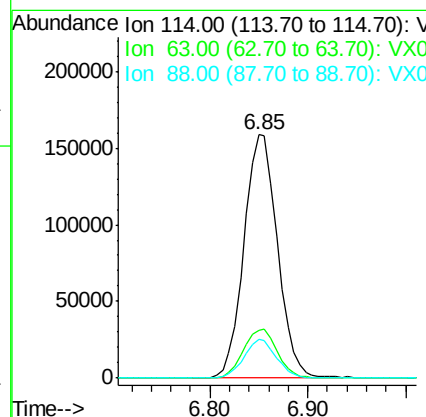
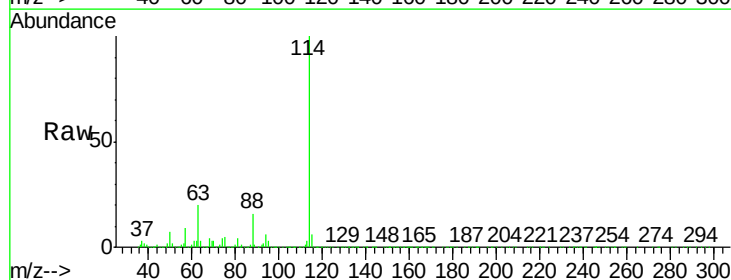
Instrument :
 MSVOA_X
 ClientSampleId :
 MANHOLE

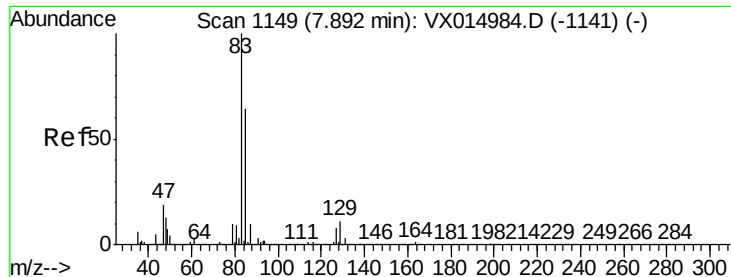
Tot Ion: 65 Resp: 147405
 Ion Ratio Lower Upper
 65 100
 67 52.9 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014994.D
 Acq: 21 Feb 2020 14:35

Tgt Ion: 114 Resp: 378234
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.6 23.4
 88 15.5 12.2 18.2





#41

Bromodichloromethane

Concen: 3.391 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014994.D

Acq: 21 Feb 2020 14:35

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE

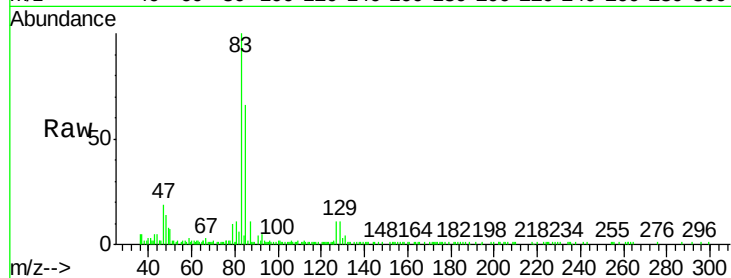
Tot Ion: 83 Resp: 18587

Ion Ratio Lower Upper

83 100

85 65.5 51.0 76.4

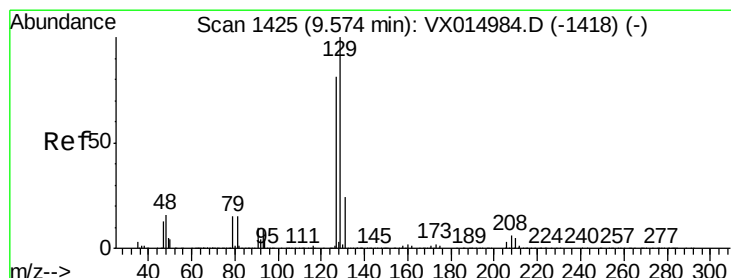
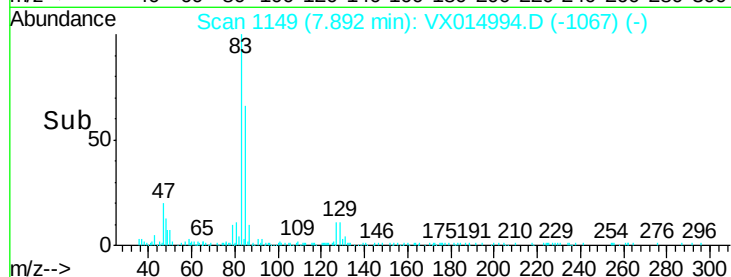
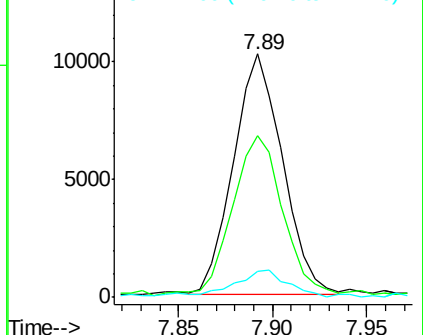
127 9.9 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#53

Dibromochloromethane

Concen: 3.340 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX014994.D

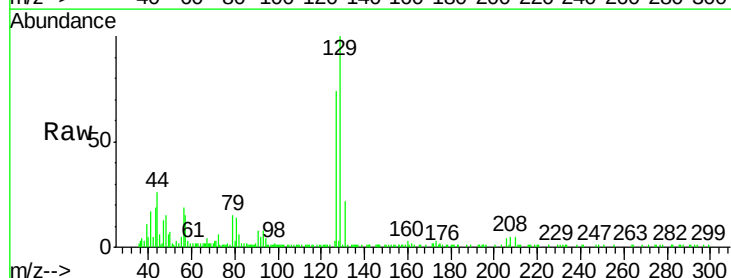
Acq: 21 Feb 2020 14:35

Tgt Ion:129 Resp: 14929

Ion Ratio Lower Upper

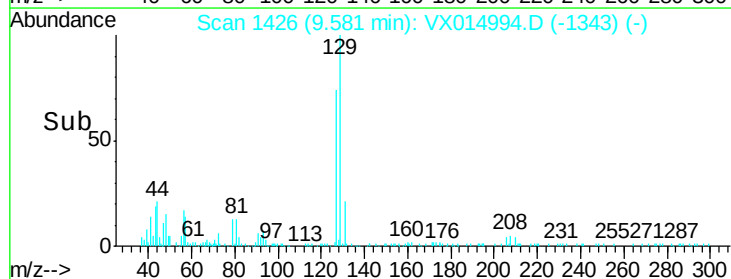
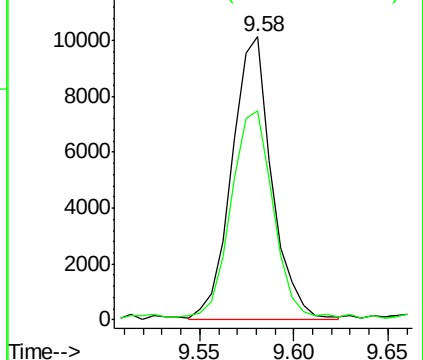
129 100

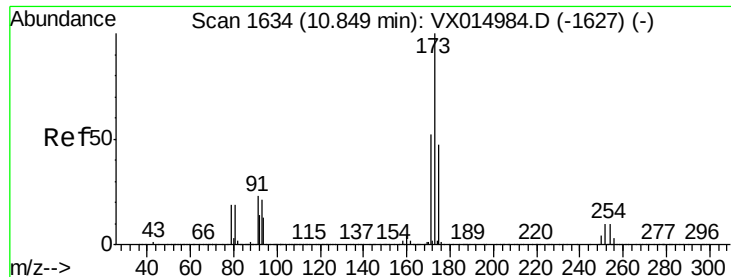
127 75.0 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#56

Bromoform

Concen: 0.786 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX014994.D

Acq: 21 Feb 2020 14:35

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE

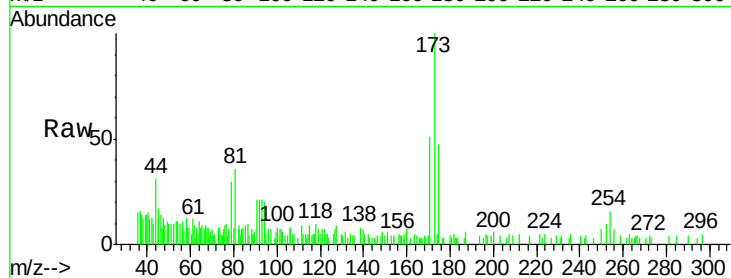
Tot Ion:173 Resp: 2755

Ion Ratio Lower Upper

173 100

175 46.8 38.6 57.8

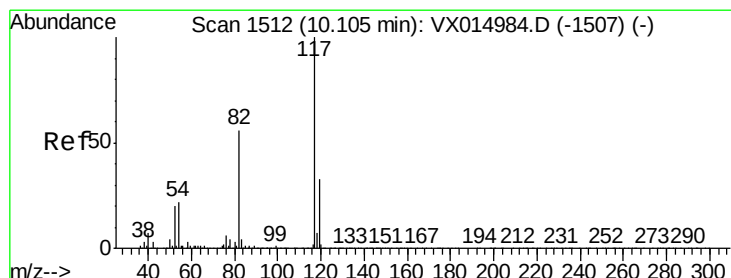
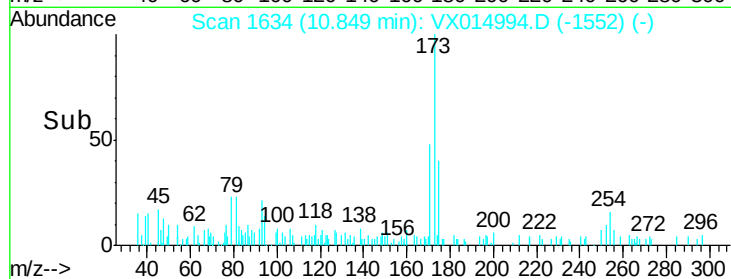
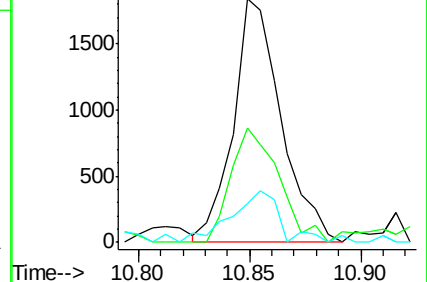
254 19.7 8.6 13.0#



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. 0.00 min

Lab File: VX014994.D

Acq: 21 Feb 2020 14:35

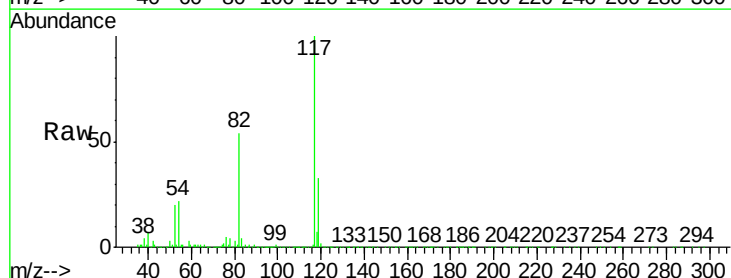
Tgt Ion:117 Resp: 341935

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.2

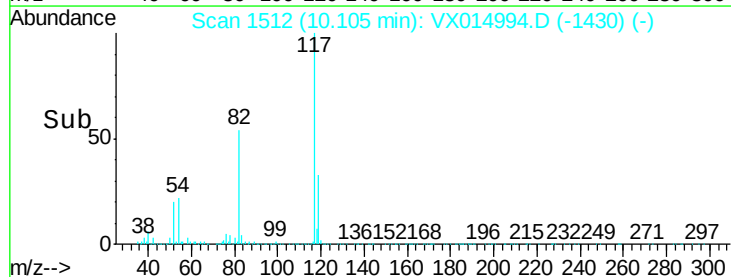
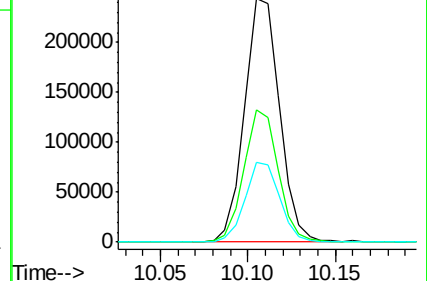
119 32.2 26.0 39.0

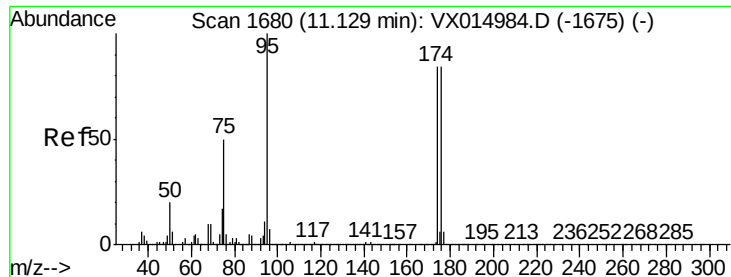


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.991 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014994.D

Acq: 21 Feb 2020 14:35

Instrument :

MSVOA_X

ClientSampled :

MANHOLE

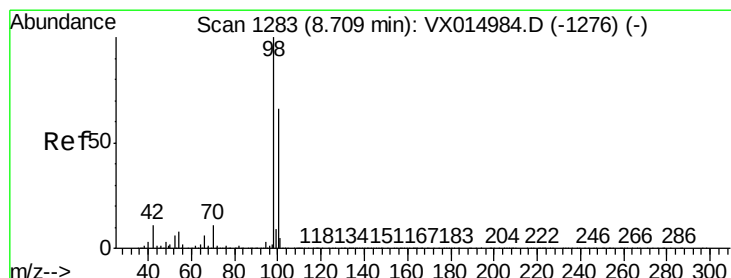
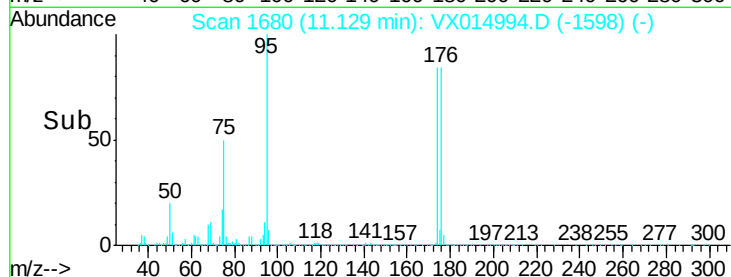
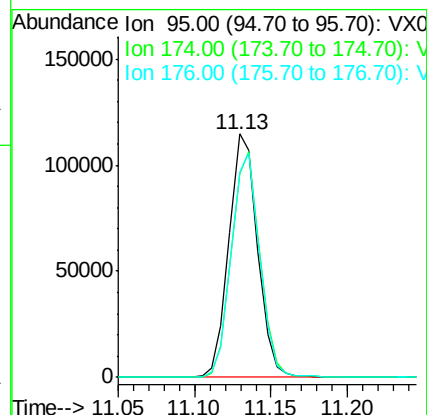
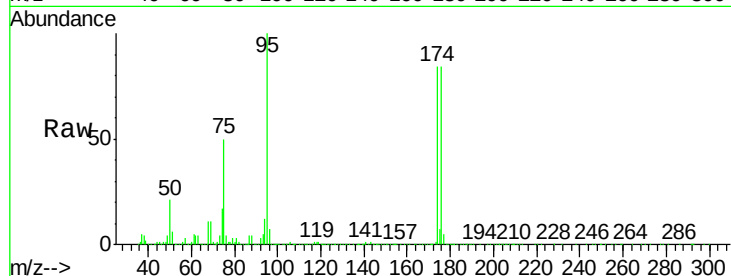
Tot Ion: 95 Resp: 149069

Ion Ratio Lower Upper

95 100

174 92.1 72.3 108.5

176 91.0 72.0 108.0



#63

Toluene-d8

Concen: 28.680 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014994.D

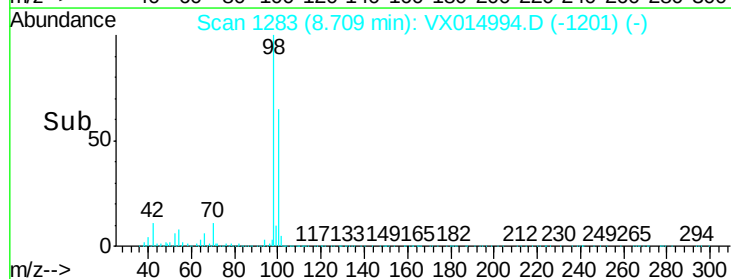
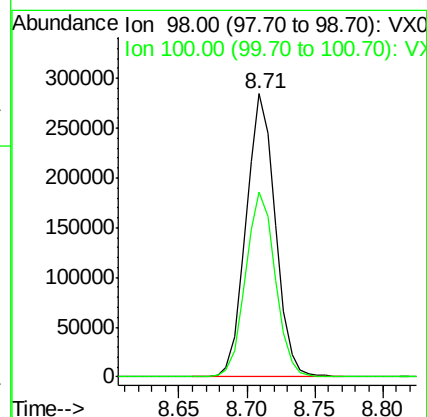
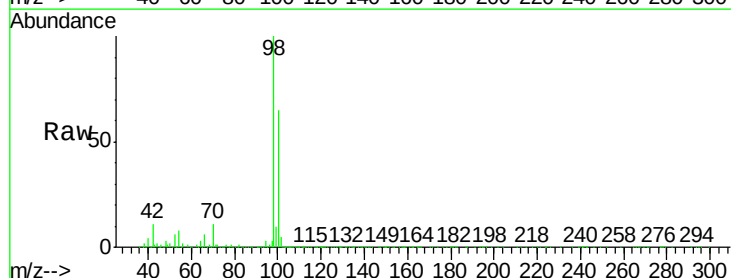
Acq: 21 Feb 2020 14:35

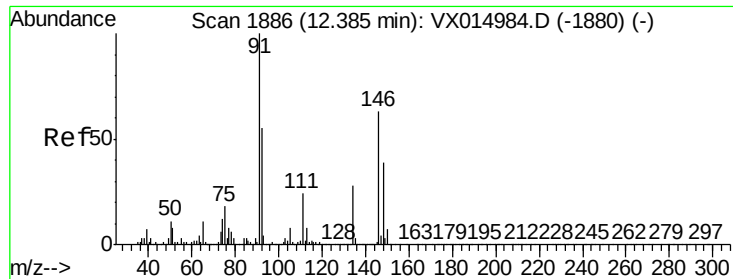
Tgt Ion: 98 Resp: 427660

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2

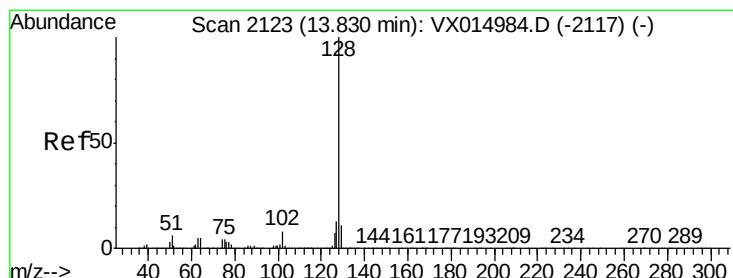
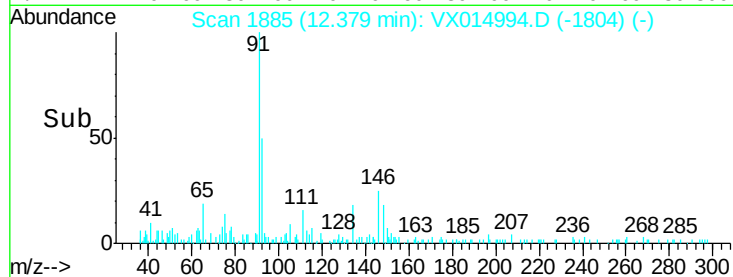
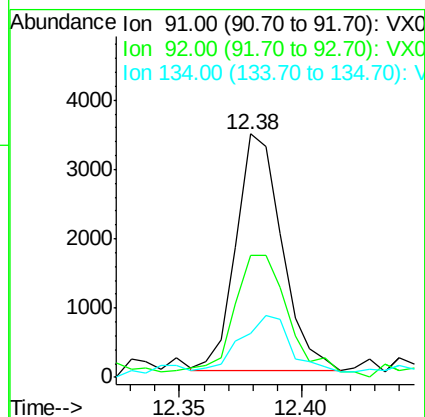
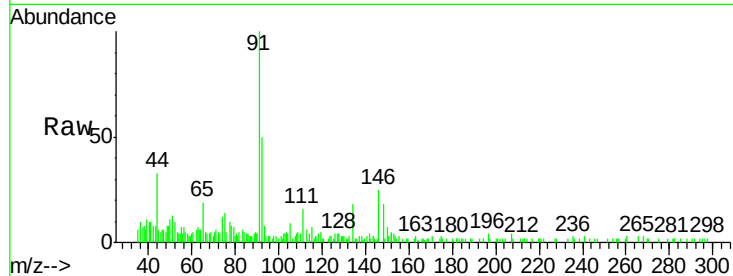




#85
n-Butylbenzene
Concen: 0.298 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampled :
MANHOLE

Tot Ion: 91 Resp: 4469
Ion Ratio Lower Upper
91 100
92 64.1 0.0 109.8
134 28.2 0.0 54.8



#91
Naphthalene
Concen: 0.413 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 128 Resp: 7580
Ion Ratio Lower Upper
128 100
127 18.3 10.2 15.4#
129 15.1 8.6 13.0#

