

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068305.D
 Acq On : 05 Feb 2021 17:14
 Operator : VA/SY
 Sample : M1317-03RE
 Misc : 8.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-BRE

Quant Time: Feb 06 02:51:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

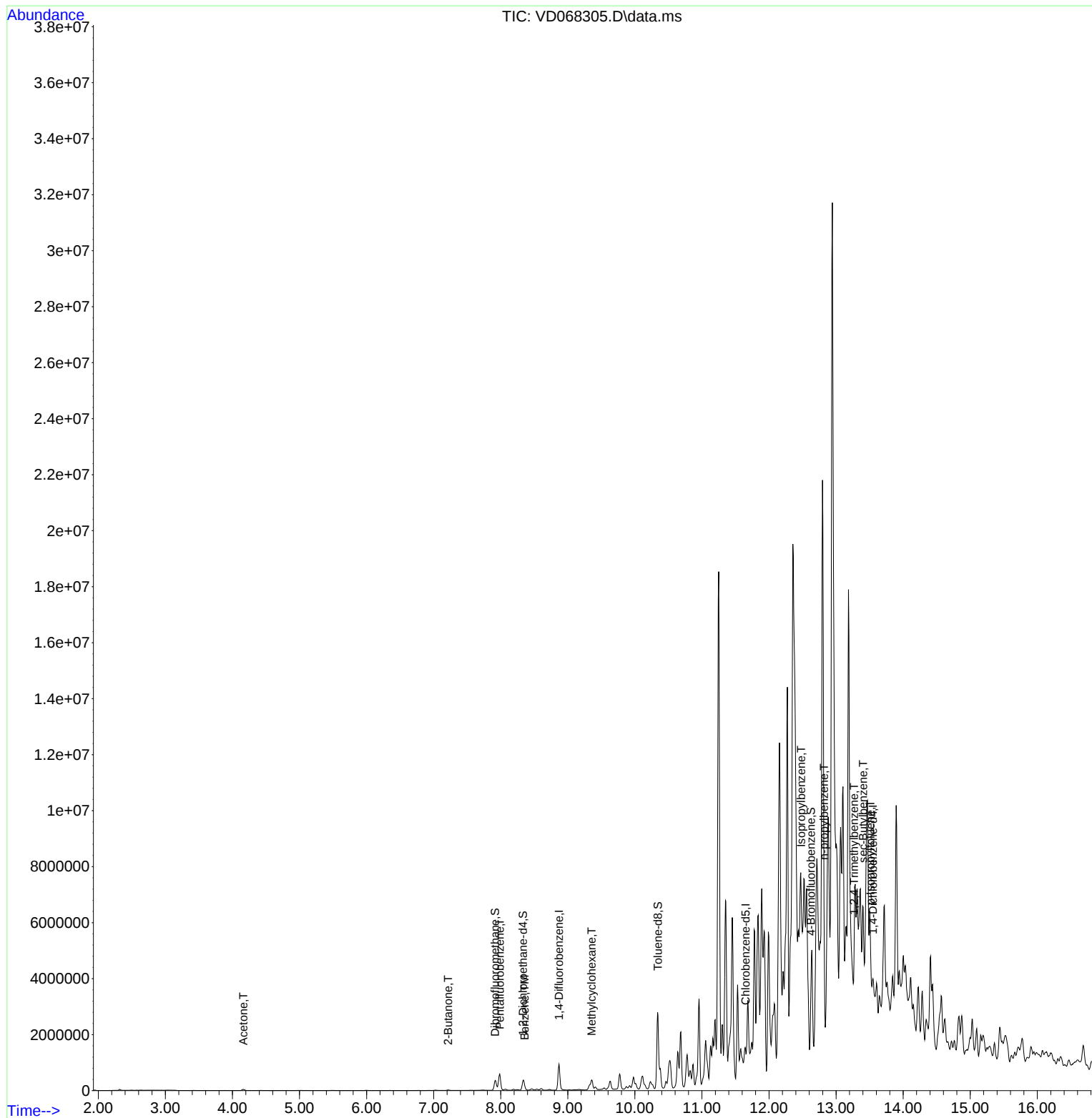
Internal Standards						
1) Pentafluorobenzene	7.985	168	429571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	797532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	463632	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.549	152	171968	50.00	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	265423	64.59	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	129.18%		
35) Dibromofluoromethane	7.914	113	258411	58.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	117.22%		
50) Toluene-d8	10.344	98	860840	48.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.62%		
62) 4-Bromofluorobenzene	12.626	95	439671	69.23	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	138.46%		
Target Compounds					Qvalue	
16) Acetone	4.162	43	74476	101.50	ug/l	89
25) 2-Butanone	7.214	43	27876	25.23	ug/l	99
39) Methylcyclohexane	9.355	83	164245	15.62	ug/l	99
40) Benzene	8.356	78	73770	3.28	ug/l	96
73) Isopropylbenzene	12.479	105	352738	24.65	ug/l	96
78) n-propylbenzene	12.820	91	735701	43.46	ug/l	91
84) 1,2,4-Trimethylbenzene	13.267	105	69054	5.84	ug/l	96
85) sec-Butylbenzene	13.402	105	516729	36.58	ug/l #	77
86) p-Isopropyltoluene	13.514	119	141602	11.02	ug/l #	81

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

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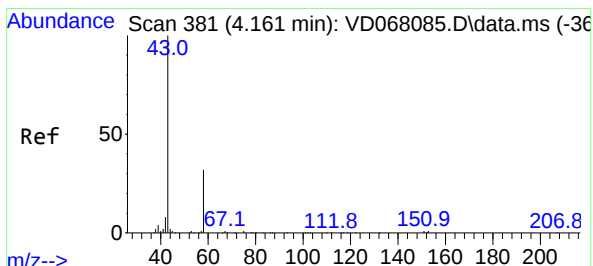
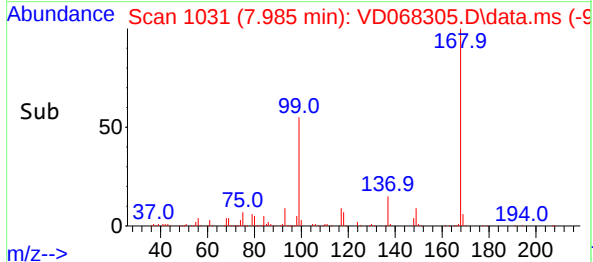
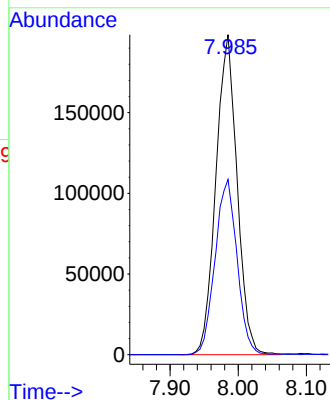
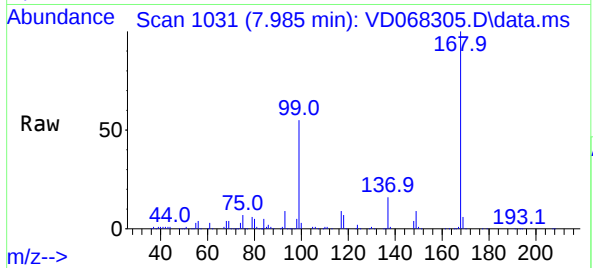




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

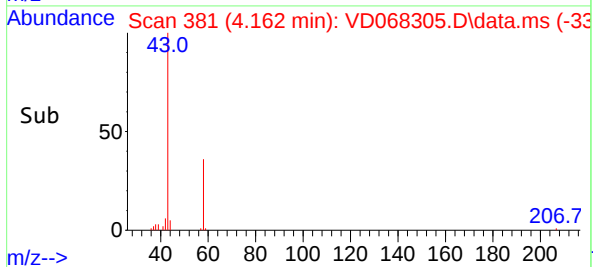
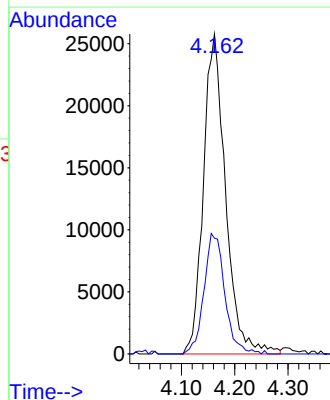
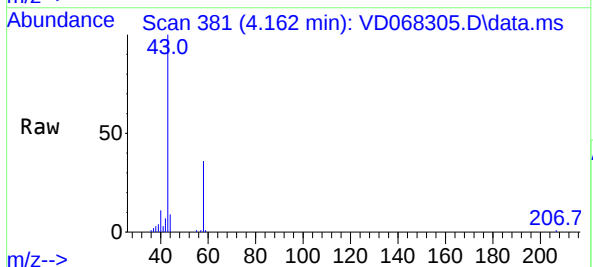
Instrument :
MSVOA_D
ClientSampled :
R-BRE

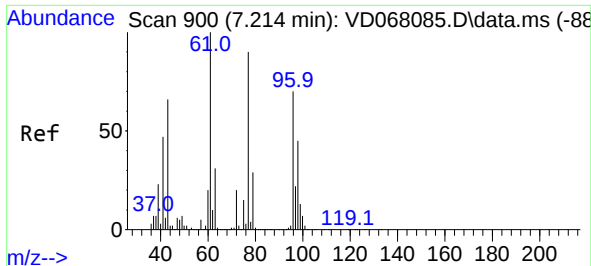
Tgt Ion:168 Resp: 429571
Ion Ratio Lower Upper
168 100
99 54.7 43.5 65.3



#16
Acetone
Concen: 101.50 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion: 43 Resp: 74476
Ion Ratio Lower Upper
43 100
58 36.2 24.2 36.4

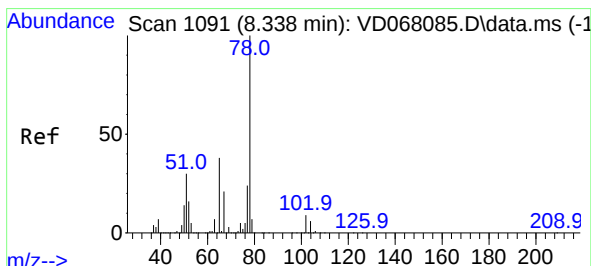
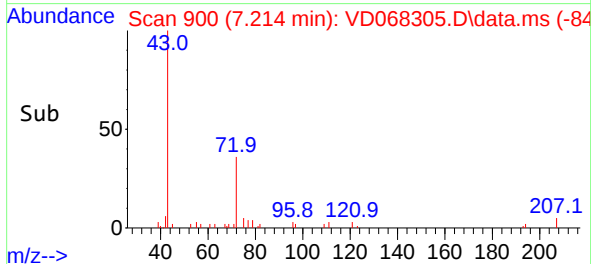
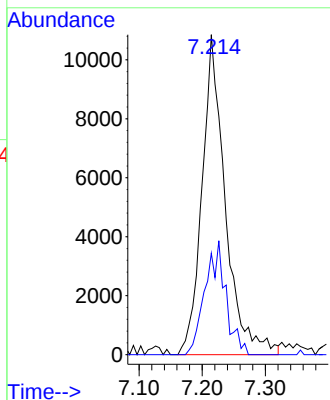
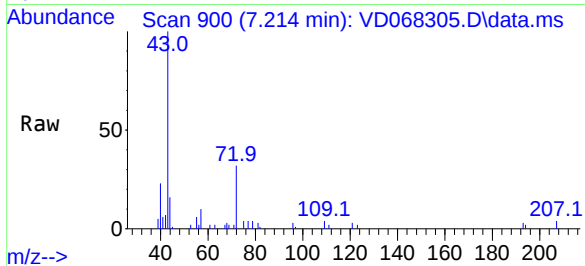




#25
2-Butanone
Concen: 25.23 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

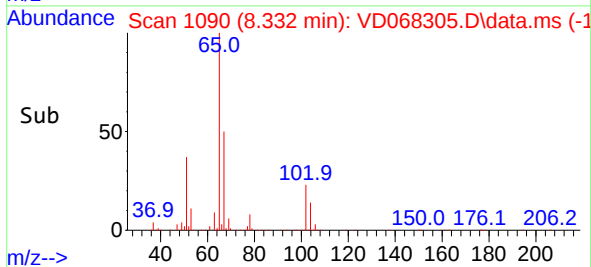
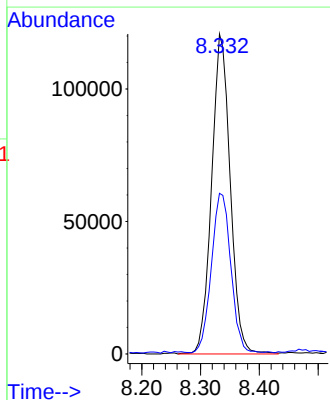
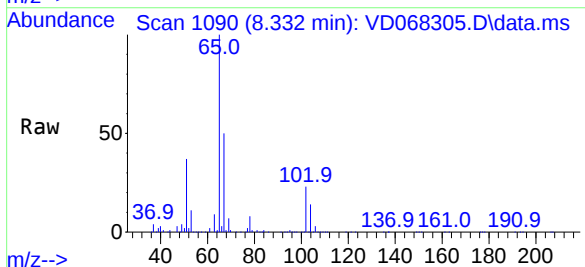
Instrument :
MSVOA_D
ClientSampleId :
R-BRE

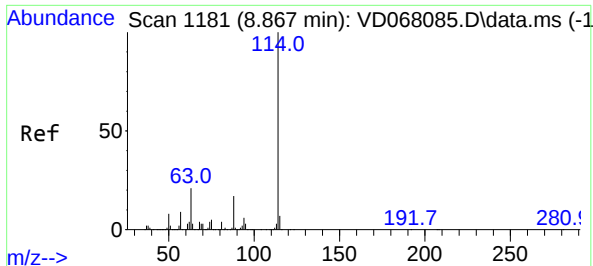
Tgt Ion: 43 Resp: 27876
Ion Ratio Lower Upper
43 100
72 31.7 25.1 37.7



#33
1,2-Dichloroethane-d4
Concen: 64.59 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion: 65 Resp: 265423
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0





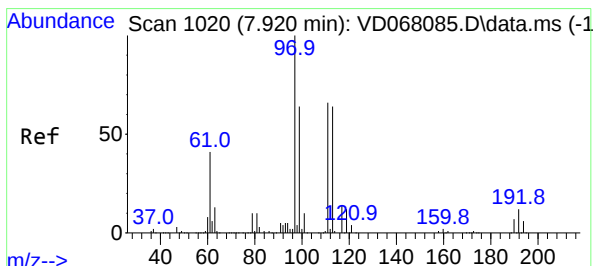
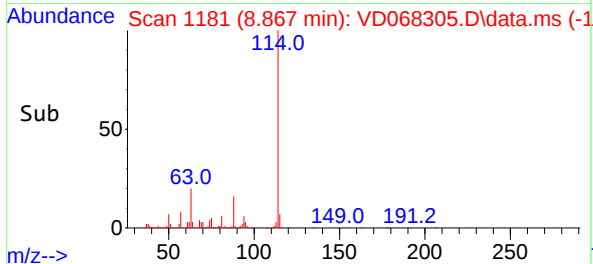
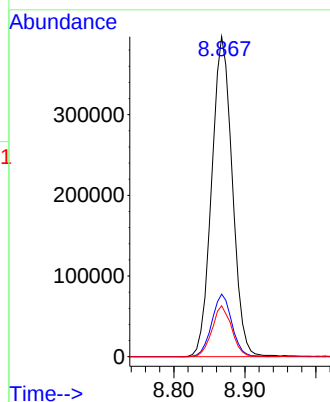
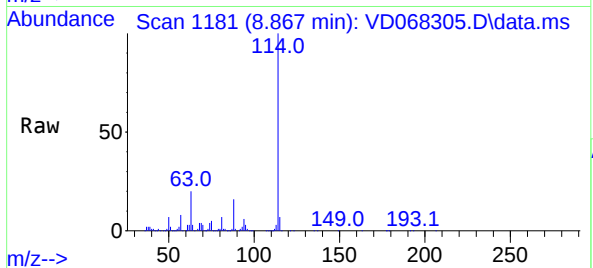
#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Instrument :
MSVOA_D
ClientSampleId :
R-BRE

Tgt Ion:114 Resp: 797532

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	34.8
88	15.9	0.0	31.6

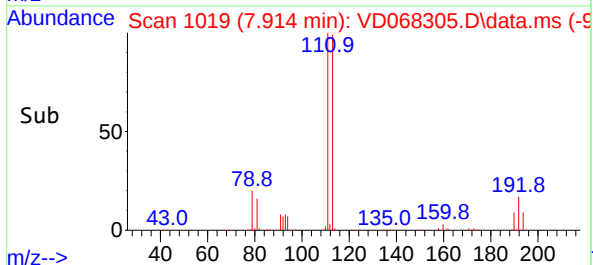
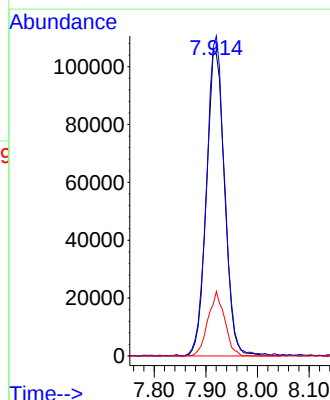
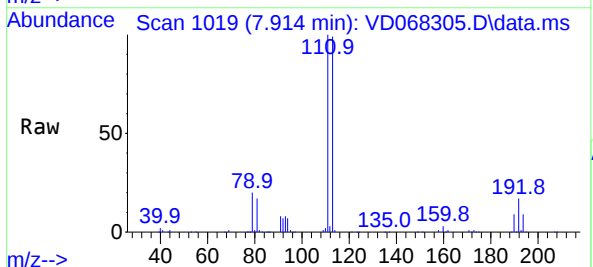


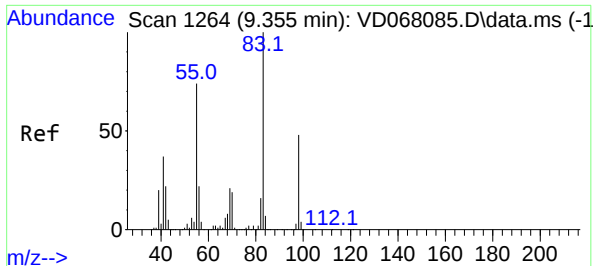
#35

Dibromofluoromethane
Concen: 58.61 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion:113 Resp: 258411

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	19.3	16.1	24.1





#39

Methylcyclohexane

Concen: 15.62 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068305.D

Acq: 05 Feb 2021 17:14

Tgt Ion: 83 Resp: 164245

Ion Ratio Lower Upper

83 100

55 69.5 55.2 82.8

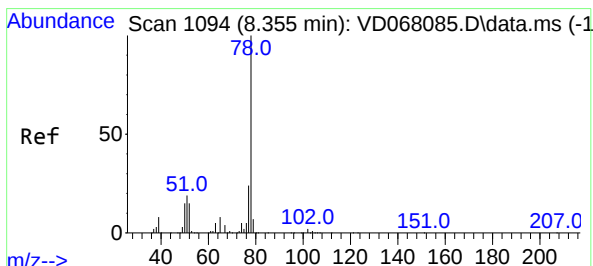
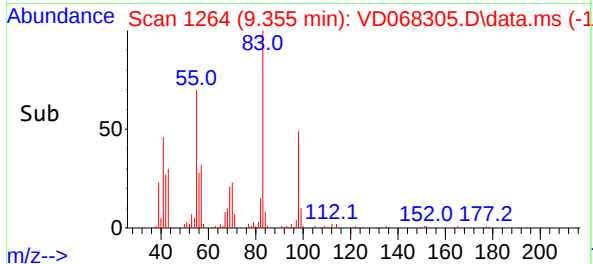
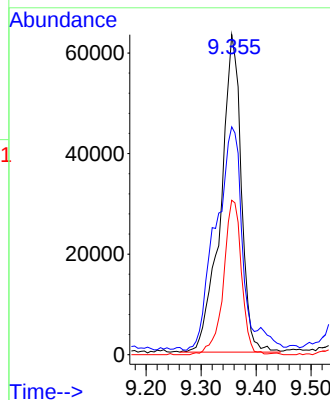
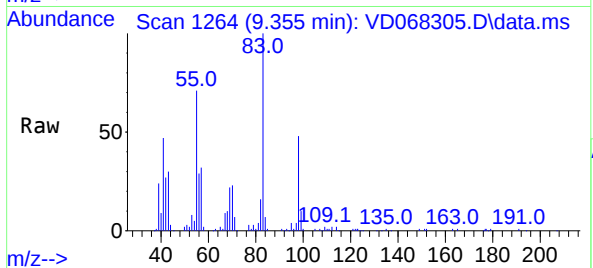
98 48.6 39.1 58.7

Instrument :

MSVOA_D

ClientSampleId :

R-BRE



#40

Benzene

Concen: 3.28 ug/l

RT: 8.356 min Scan# 1094

Delta R.T. 0.001 min

Lab File: VD068305.D

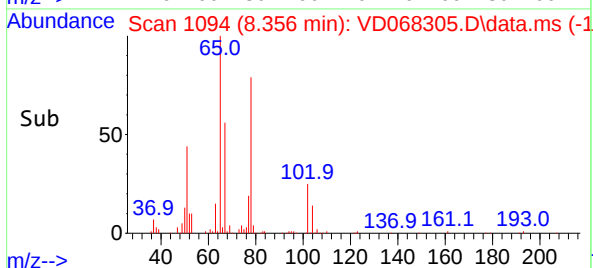
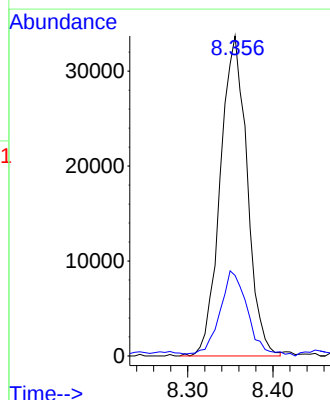
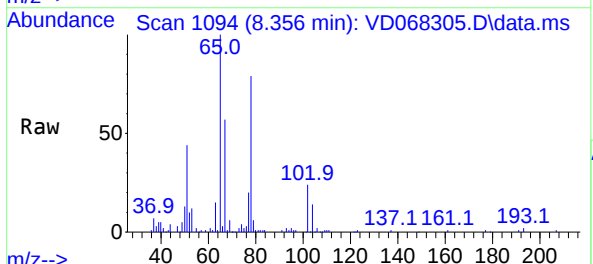
Acq: 05 Feb 2021 17:14

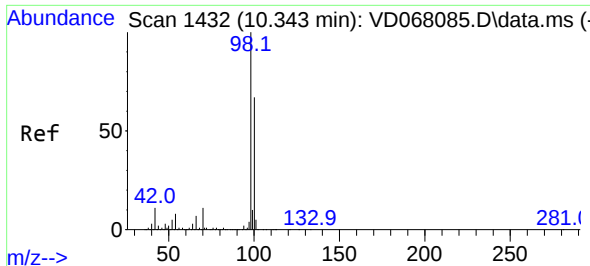
Tgt Ion: 78 Resp: 73770

Ion Ratio Lower Upper

78 100

77 24.3 17.8 26.6

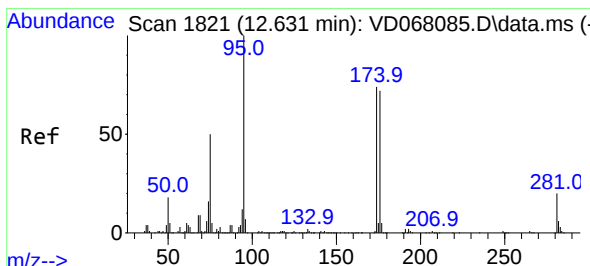
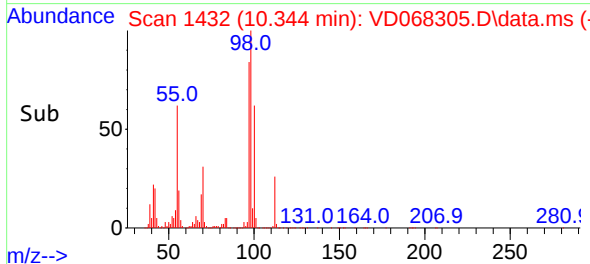
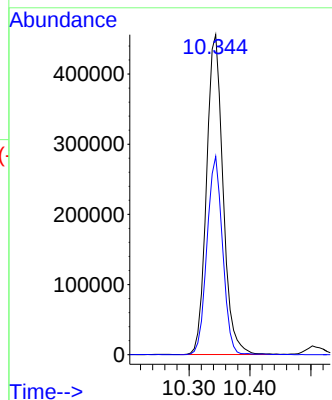
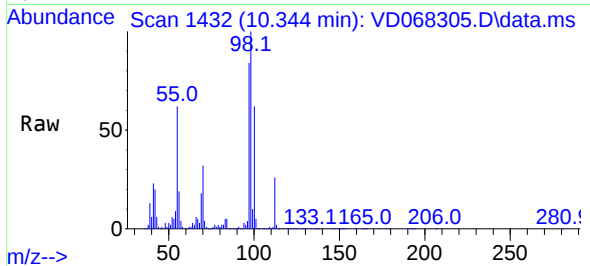




#50
Toluene-d8
Concen: 48.81 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

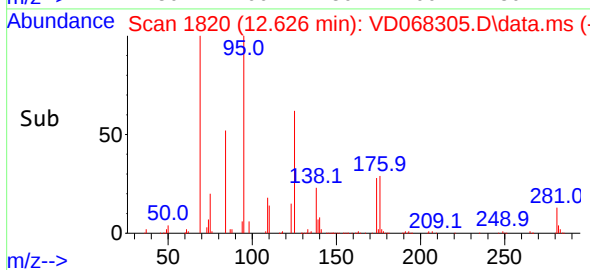
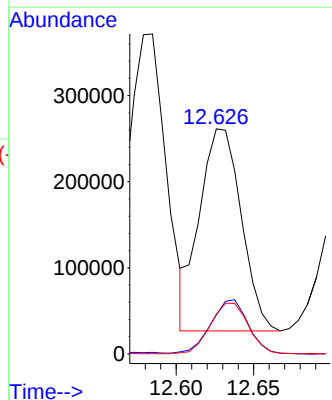
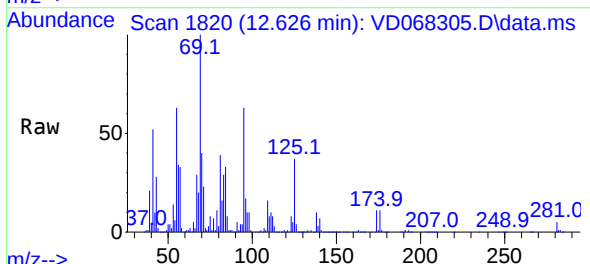
Instrument :
MSVOA_D
ClientSampleId :
R-BRE

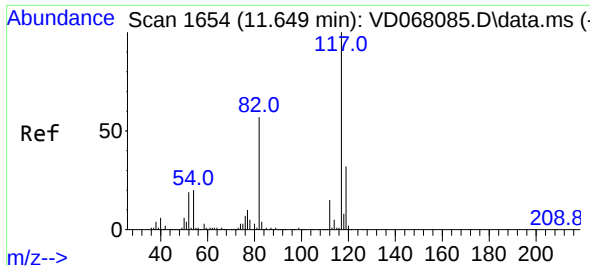
Tgt Ion: 98 Resp: 860840
Ion Ratio Lower Upper
98 100
100 58.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 69.23 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion: 95 Resp: 439671
Ion Ratio Lower Upper
95 100
174 24.2 0.0 172.4
176 23.2 0.0 168.4

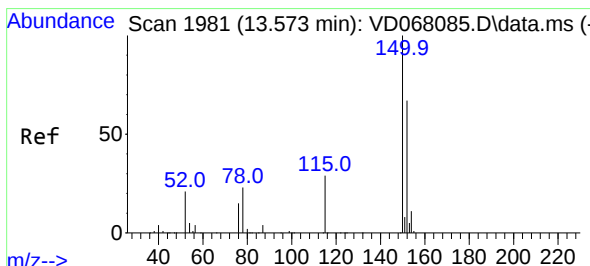
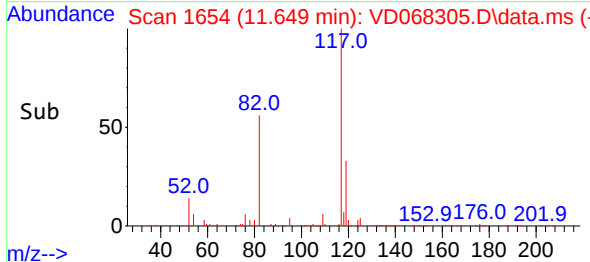
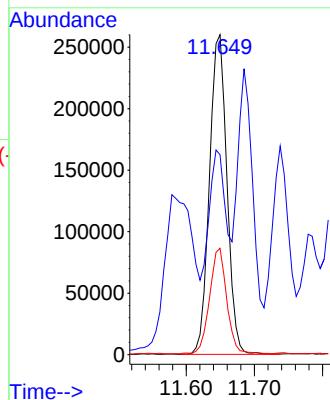
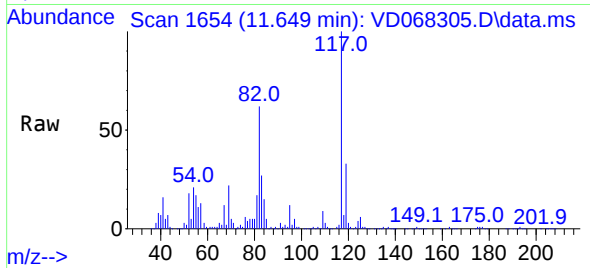




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

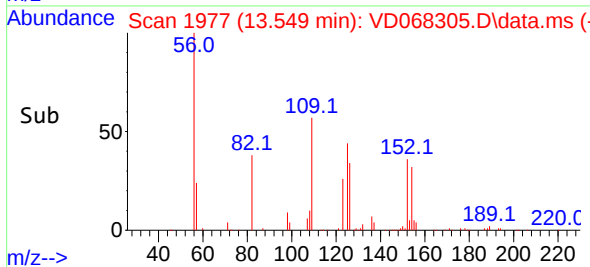
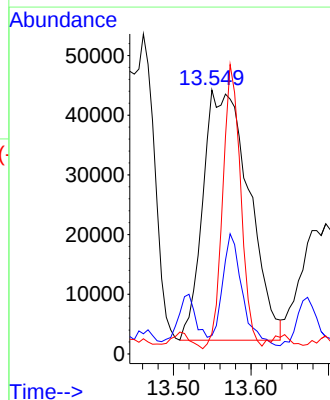
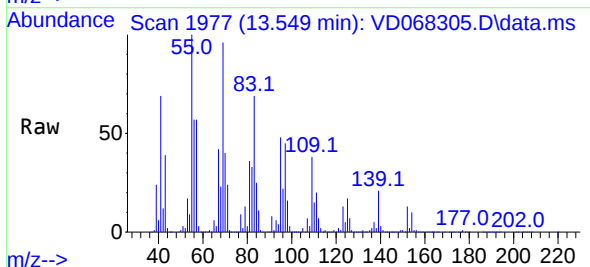
Instrument :
MSVOA_D
ClientSampled :
R-BRE

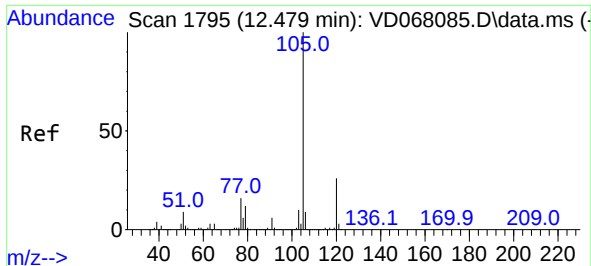
Tgt Ion:117 Resp: 463632
Ion Ratio Lower Upper
117 100
82 15.0 41.4 62.0#
119 33.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.549 min Scan# 1977
Delta R.T. -0.023 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion:152 Resp: 171968
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.8#
150 0.0 0.0 344.4

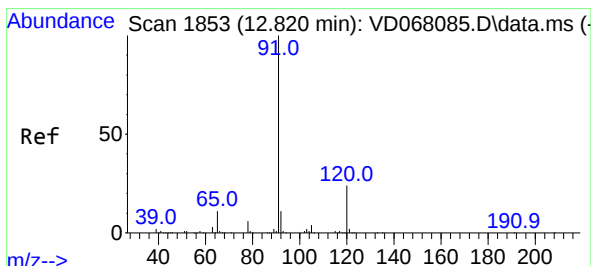
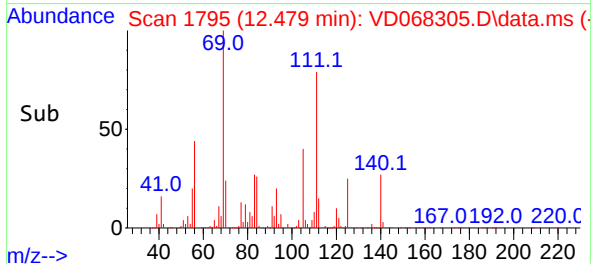
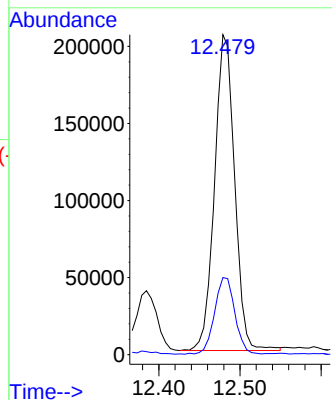
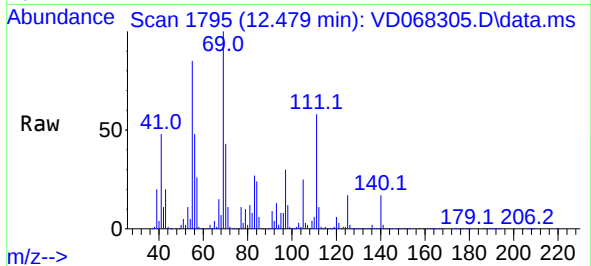




#73
Isopropylbenzene
Concen: 24.65 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

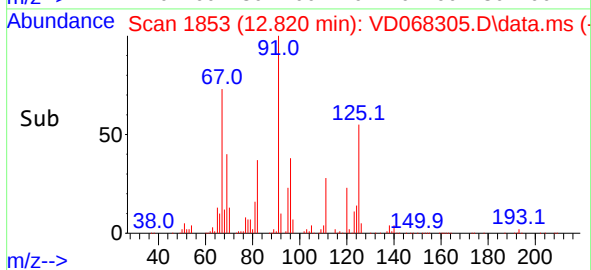
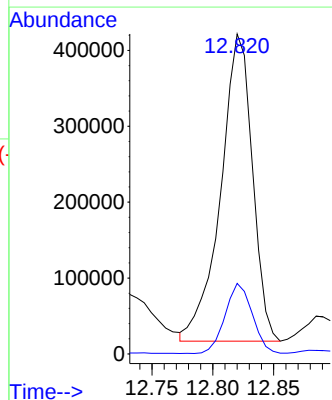
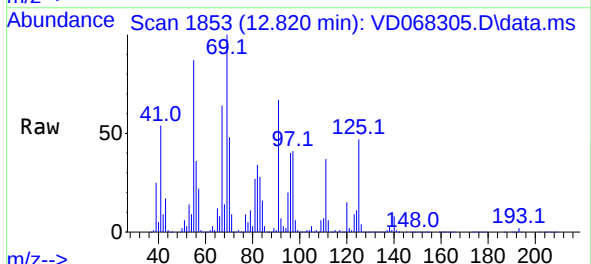
Instrument :
MSVOA_D
ClientSampled :
R-BRE

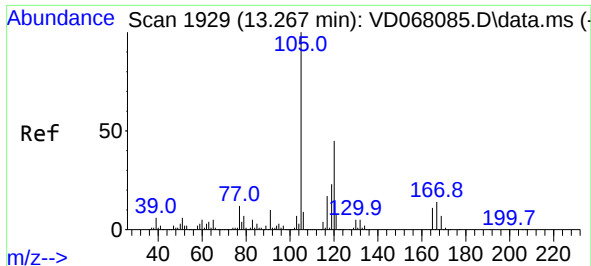
Tgt Ion:105 Resp: 352738
Ion Ratio Lower Upper
105 100
120 24.5 13.2 39.6



#78
n-propylbenzene
Concen: 43.46 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion: 91 Resp: 735701
Ion Ratio Lower Upper
91 100
120 19.5 12.0 36.0

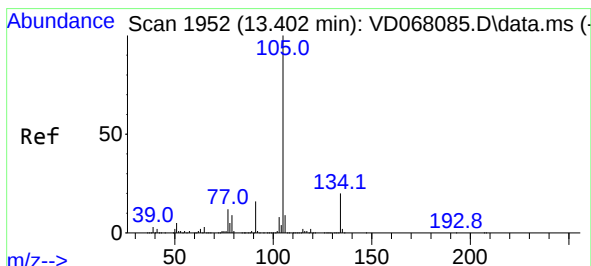
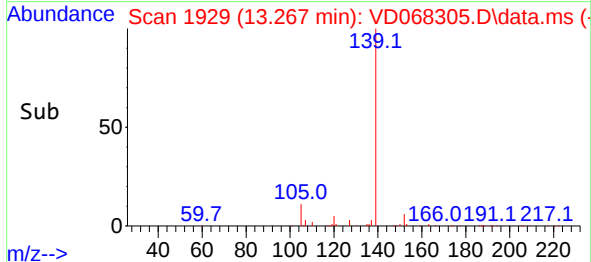
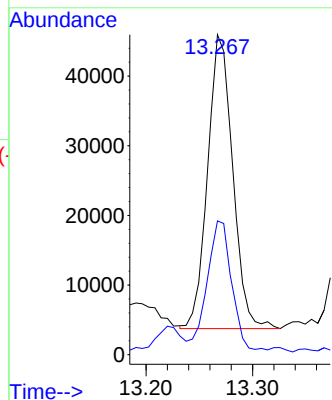
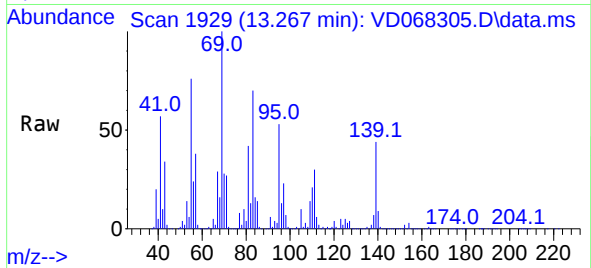




#84
1,2,4-Trimethylbenzene
Concen: 5.84 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

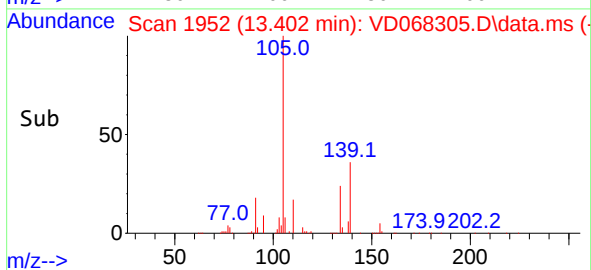
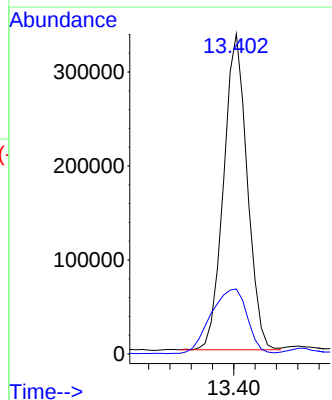
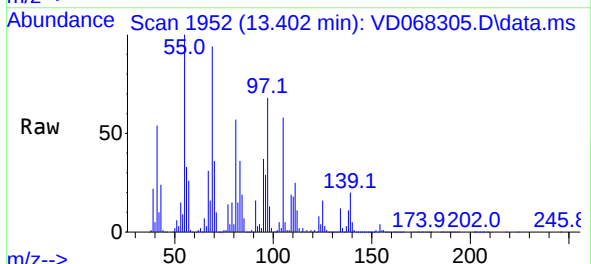
Instrument :
MSVOA_D
ClientSampled :
R-BRE

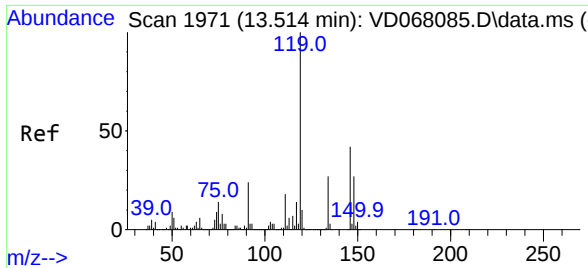
Tgt Ion:105 Resp: 69054
Ion Ratio Lower Upper
105 100
120 42.0 22.4 67.0



#85
sec-Butylbenzene
Concen: 36.58 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VD068305.D
Acq: 05 Feb 2021 17:14

Tgt Ion:105 Resp: 516729
Ion Ratio Lower Upper
105 100
134 31.5 10.3 30.9#





#86
 p-Isopropyltoluene
 Concen: 11.02 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068305.D
 Acq: 05 Feb 2021 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 R-BRE

Tgt Ion:	119	Resp:	141602
Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.7
91	42.1	11.7	35.0#

