

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
 Data File : VV014890.D
 Acq On : 13 Mar 2020 00:18
 Operator : SY/MD
 Sample : L1890-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA9

Quant Time: Mar 13 05:34:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 04:10:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	372425	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	358031	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169927	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99754	39.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.16%
7) Chloroethane-d5	1.58	69	82150	41.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.46%
11) 1,1-Dichloroethene-d2	2.12	63	130029	31.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.10%
21) 2-Butanone-d5	3.93	46	148389	78.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.94%
24) Chloroform-d	4.38	84	228221	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	5.06	65	157252	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
32) Benzene-d6	5.08	84	467139	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
36) 1,2-Dichloropropane-d6	6.10	67	142204	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.76%
41) Toluene-d8	7.34	98	434384	46.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.84%
43) trans-1,3-Dichloropropene-	7.64	79	57964	37.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.78%
47) 2-Hexanone-d5	8.12	63	140733	101.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	201592	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	178374	52.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.92%

Target Compounds

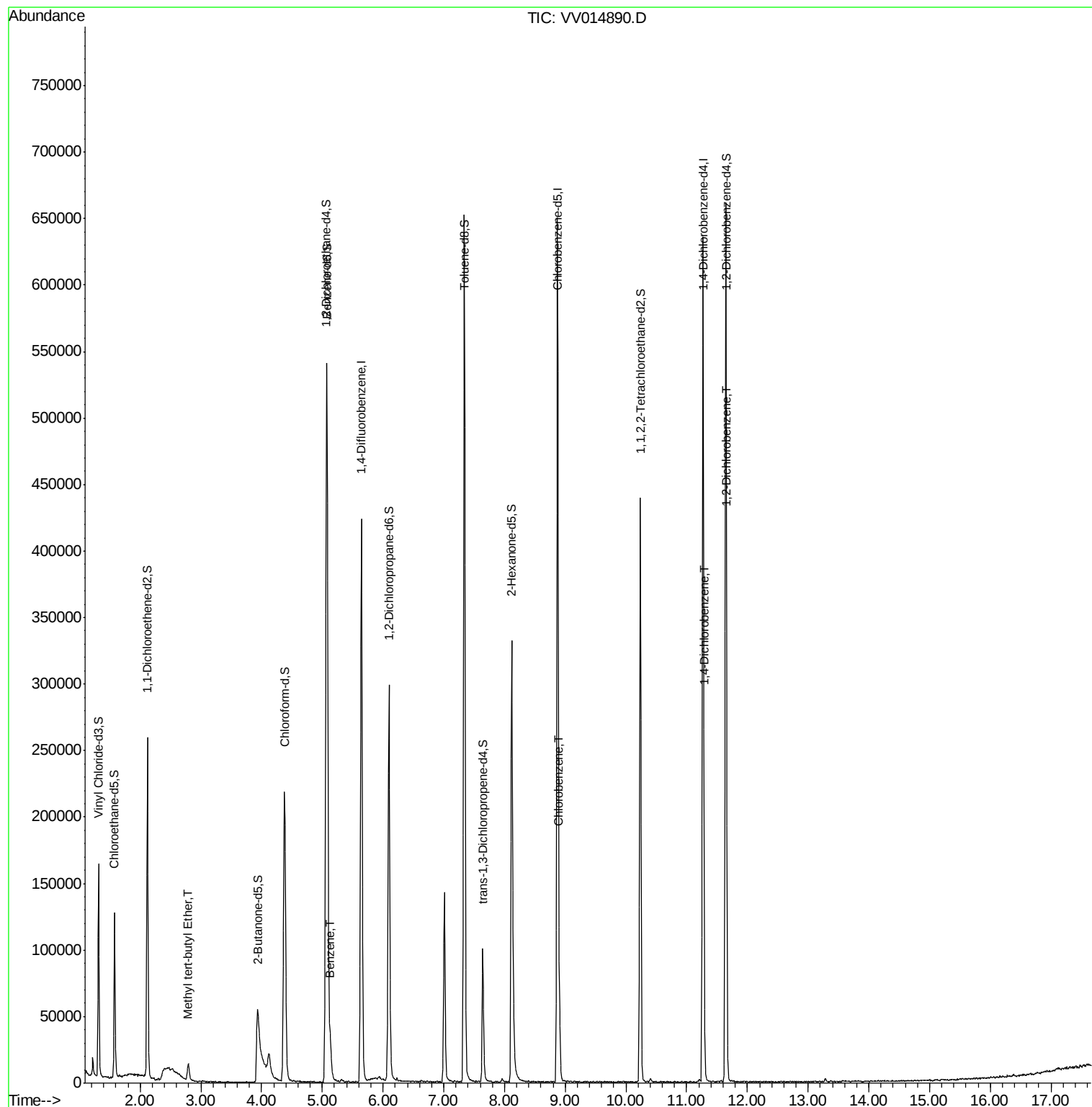
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
18) Methyl tert-butyl Ether	2.79	73	12867	1.572	ug/L	96
33) Benzene	5.13	78	31833	3.069	ug/L	100
51) Chlorobenzene	8.90	112	25747	3.497	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	10152	1.834	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	8005	1.463	ug/L	91

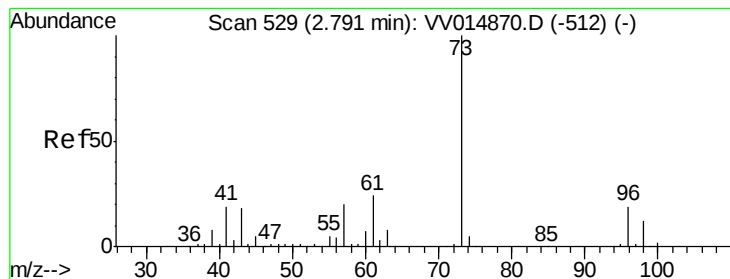
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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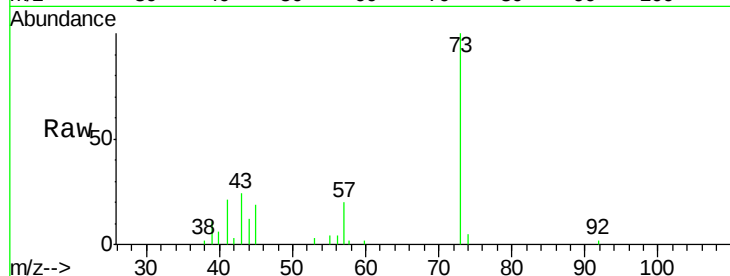


#18

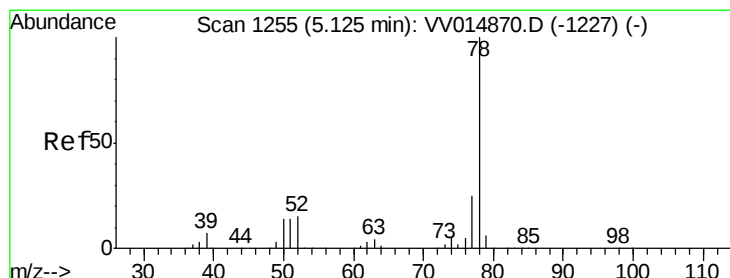
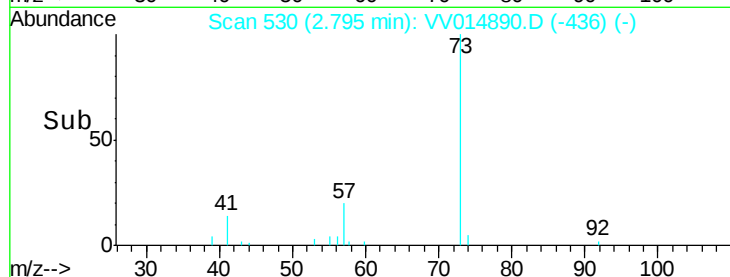
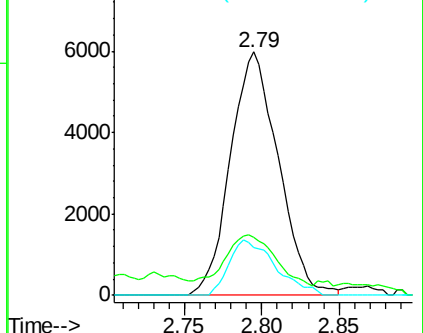
Methvl tert-butvl Ether
 Concen: 1.572 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV014890.D
 Acq: 13 Mar 2020 00:18

Instrument :
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 ClientSampleId :
 C0DA9

Tot Ion: 73 Resp: 12867
 Ion Ratio Lower Upper
 73 100
 43 22.0 15.9 23.9
 57 21.2 18.0 27.0



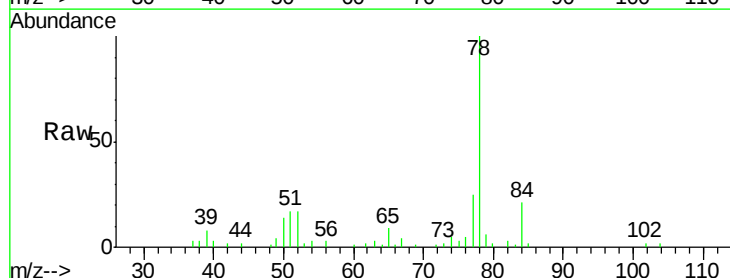
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



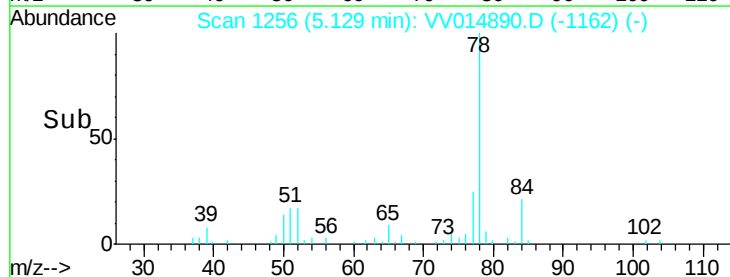
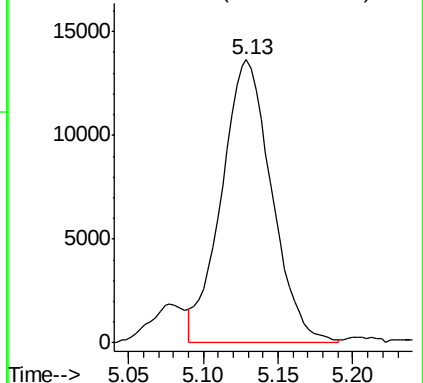
#33

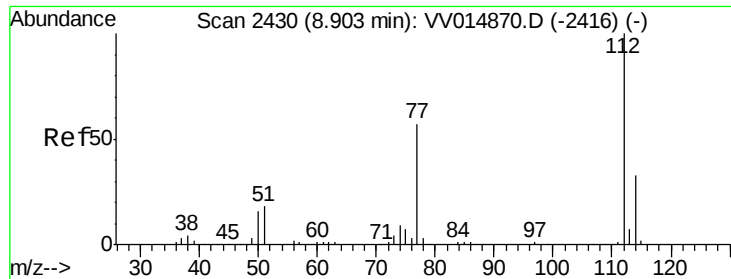
Benzene
 Concen: 3.069 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VV014890.D
 Acq: 13 Mar 2020 00:18

Tgt Ion: 78 Resp: 31833



Abundance Ion 78.00 (77.70 to 78.70): VV0





#51

Chlorobenzene

Concen: 3.497 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014890.D

Acq: 13 Mar 2020 00:18

Instrument :

MSVOA_V

ClientSampleId :

C0DA9

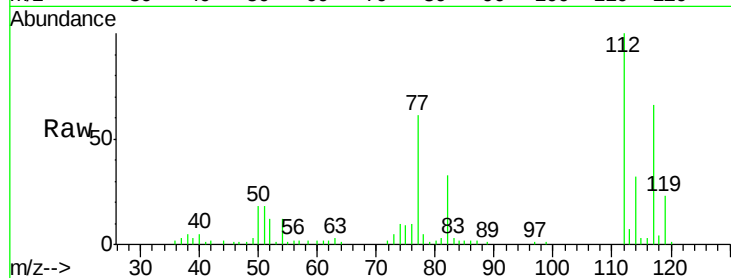
Tot Ion:112 Resp: 25747

Ion Ratio Lower Upper

112 100

114 31.7 22.1 41.1

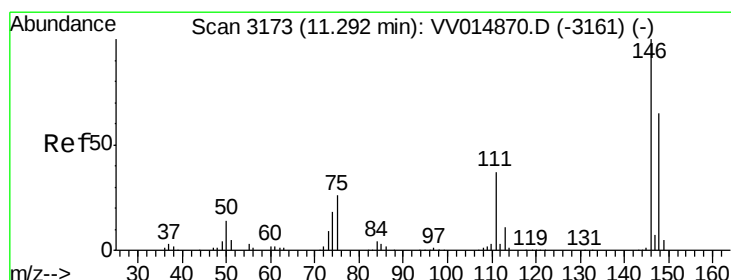
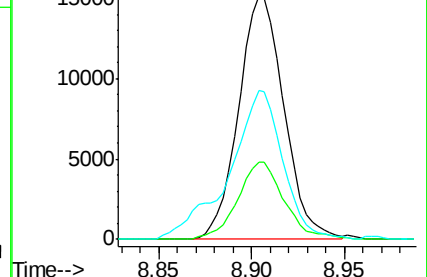
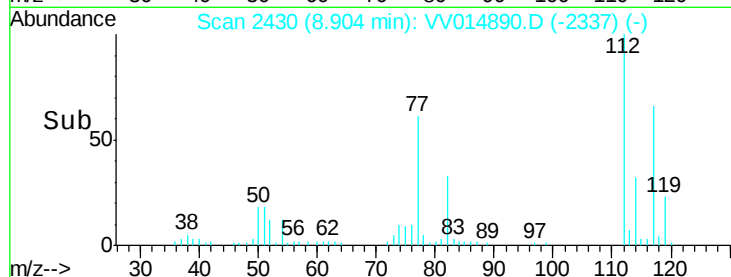
77 61.1 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#63

1,4-Dichlorobenzene

Concen: 1.834 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014890.D

Acq: 13 Mar 2020 00:18

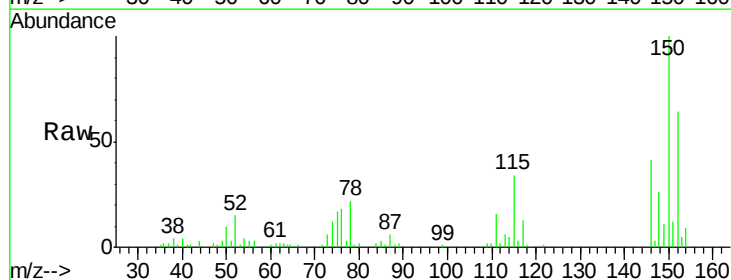
Tgt Ion:146 Resp: 10152

Ion Ratio Lower Upper

146 100

111 38.2 26.3 48.9

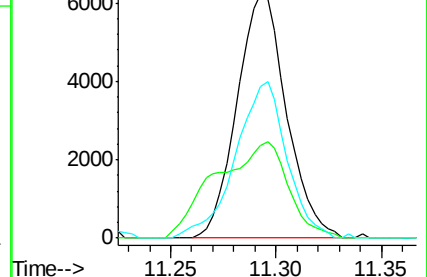
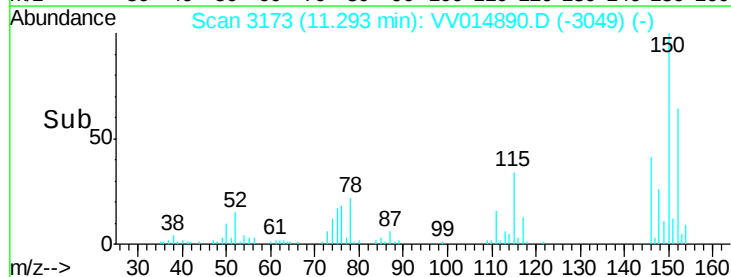
148 62.1 44.0 81.8

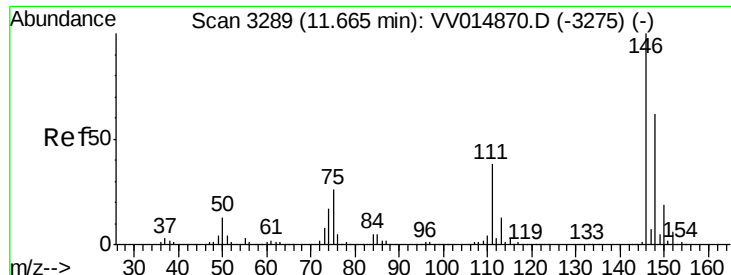


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

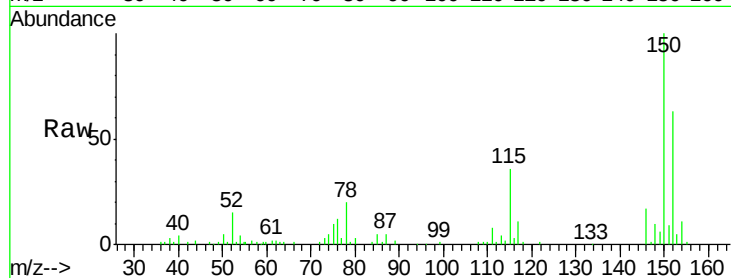




#65
 1,2-Dichlorobenzene
 Concen: 1.463 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014890.D
 Acq: 13 Mar 2020 00:18

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA9

Tot Ion:146 Resp: 8005
 Ion Ratio Lower Upper
 146 100
 111 48.1 33.9 50.9
 148 57.0 51.4 77.0



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

